Össur UK Prosthetics Catalogue 2012

Össur® Prosthetics Catalogue 2012

Life Without Limitations

Össur Prosthetic Catalogue 2012

Packed with the latest information on all our products, the 2012 Össur catalogue is a comprehensive aid to product selection. Working closely with prosthetists and technicians, we aim to maintain the highest industry standards, delivering effective clinical outcomes for amputees of every age and ability.

In these pages you can find technical information on product dimensions, weights and configurations, as well as recommendations relating to user weight and activity levels. Current copies of Instructions For Use (IFUs) for all Össur products can be found on our website. Visit the site regularly for news and views on all our products and services. www.ossur.co.uk

ACTIVITY / IMPACT LEVELS

LOW -	Daily activities involving limited and steady actions at low levels of impact on the prosthesis. Examples: Community ambulator. Restricted walking with ability or potential to demonstrate varied cadence. Low impact recreational activities - bowling, gardening, shopping.
MODERATE -	Daily activities involving typically normal and repetitive actions at moderate levels of impact on the prosthesis. Examples: Prolonged walking with rapid and varied cadence. Occasional recreational sporting activities - jogging, tennis, hiking, golf.
HIGH -	Daily activities involving rigorous and repetitive actions at high levels of impact on the prosthesis. Examples: Lifting, jumping, climbing. Frequent activities - basketball, volleyball, running, athletics, skiing, football, karate, landscaping, construction.
SPORTS -	Activities with repeated extreme level of impact on the foot. Examples: track and field, sprinting and long-distance running.

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bionic
TECHNOLOGY BY ÖSSUR

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Bionic Technology by Össur

Introduction

Bionics = bi(o) + (electr)onics: the application of biological principles to the study and design of engineering systems, especially electronic systems.

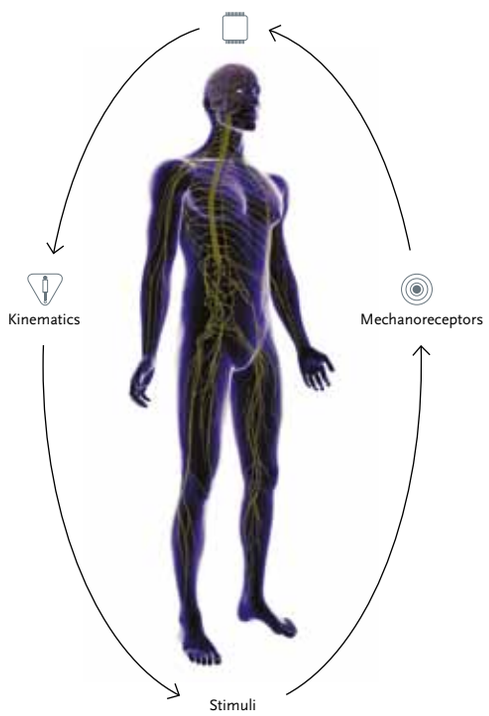
The American heritage dictionary of the English language, 2000

Bionic Technology by Össur is beginning to restore the true anatomical function displaced by amputation. Our intelligent structures contain sensors, artificial intelligence and actuator technology which can respond in a human-like way to counteract loads, reduce vibration, change shape and enhance fluid and natural motion.

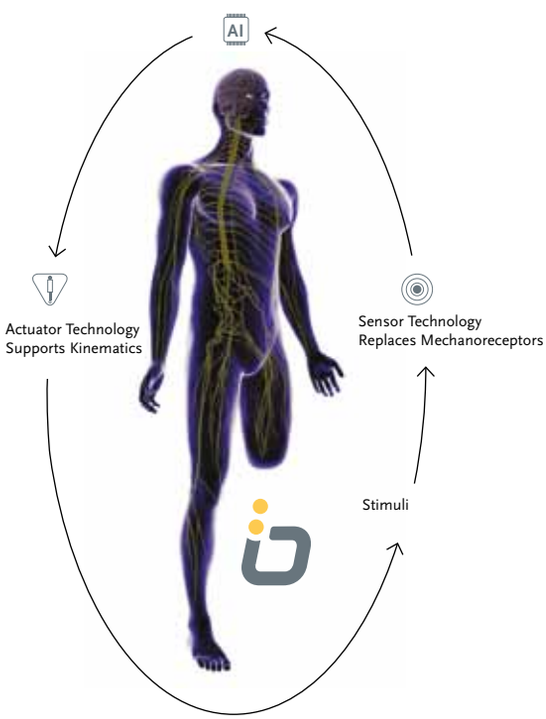
SENSE	THINK	ACT
Sophisticated sensor technology mimics the body's mechanoreceptors, providing artificial proprioception (a sense of where the limb is in space) by tracking factors that include load and angular displacement up to a rate of 1600 times per second.	Patented forms of artificial intelligence (AI) process information from the sensors and instigate the most appropriate response for the next step.	The AI transmits a constant stream of signals which instruct high-precision actuator technology to act and deliver optimal function. The addition of powered motion represents a significant step in human energy conservation, and the ability to deliver the required response. A motor and battery generates appropriate prosthetic function, providing the precise amount of power necessary.

The human versus the bionic model

CNS: SPINAL REF / BRAIN STEM CONTROL / COGNITIVE CONTROL



ARTIFICIAL INTELLIGENCE REPLACES CNS



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PROPRIO FOOT

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PROPRIO FOOT®

reddot design award
winner 2011

Introduction

The PROPRIO FOOT provides unparalleled physiological benefits for transtibial amputees. Automatic ankle flexion means function is as close as you can get today to the human foot. This device thinks for itself, responding beautifully to changing terrain and transforming the approach to stairs and slopes. Overall, the effect is a more balanced and symmetric gait, preserving the rest of the body.

SENSE

Accelerometer technology measures real-time motion at a rate of 1600 times per second. Tracking the path of the ankle through space, it times gait characteristics and events, including heel strike and toe off. For each stride, the device constructs it's path by continuously analysing horizontal and vertical movement, 'tracing' the foot as it moves through space. This trace varies according to the terrain so gait pattern recognition algorithms in the foot can detect and identify when a user is walking on flat or sloped surfaces and up or down stairs, as well as when stationary or in a 'relaxed' position (seated).

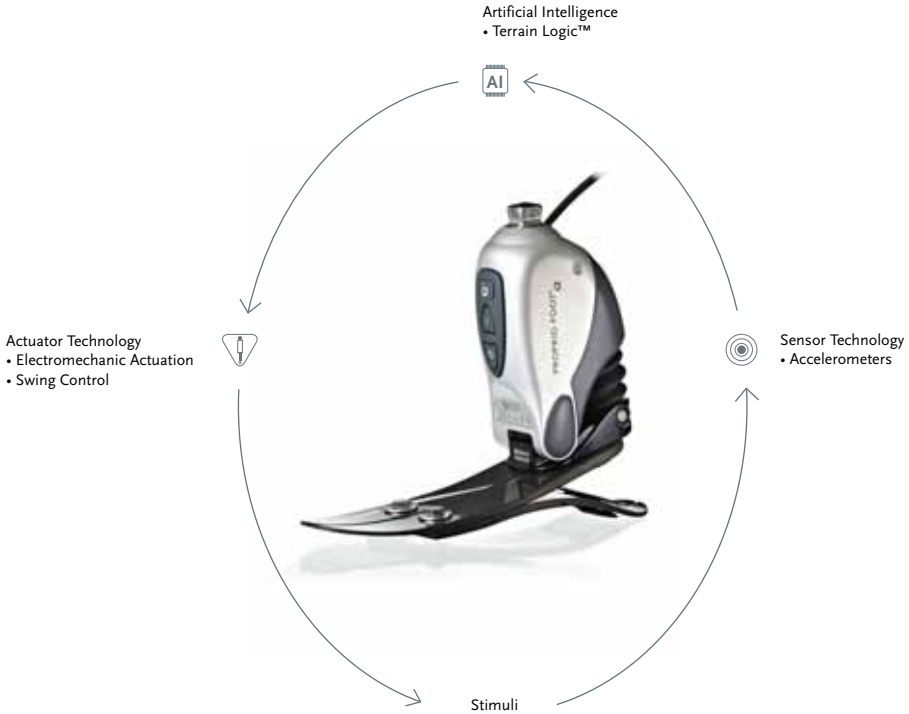
THINK

As fast as it is measured, the data is fed into the 'brain' of the device, a specialised form of artificial intelligence called Terrain Logic™. Together with the motion analysis sensors Terrain Logic helps to rebuild the sense of proprioception lost after amputation and provide the most appropriate response for the next step. As toe-off is detected, for example, it directs a toe lift in order to clear the ground. Having sensed an inclined surface, it directs ankle flexion proportional to the slope. Learning from the user's previous stride, ankle movement parameters are adapted for the next step.

ACT

A control board receives a constant stream of signals from the artificial intelligence. The controls then instruct a high precision linear actuator to deliver optimal function – dorsiflexion (toe lift) in swing phase; ankle angle adjustment on varying terrain, in chair exit mode and relaxed mode; and heel height adjustment when changing shoes.

PROPRIO FOOT bionic model



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PROPRIO FOOT®

Information

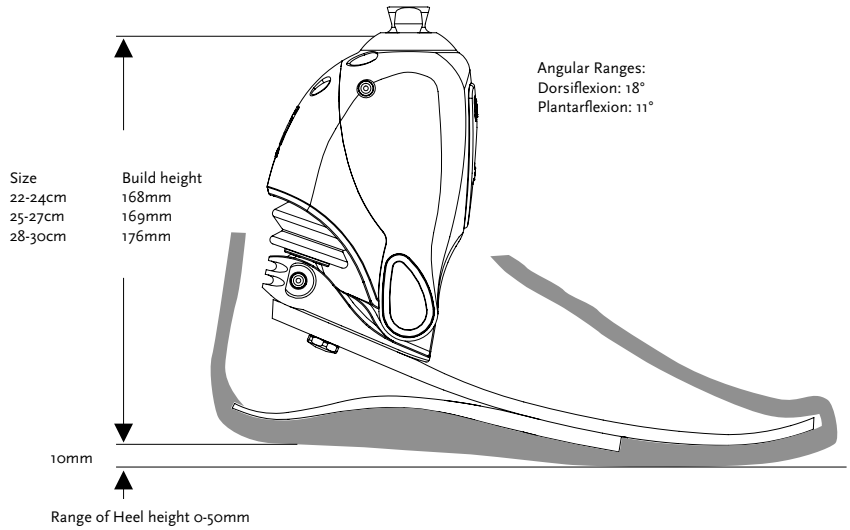
USER INFORMATION	
Maximum patient weight	125kg
Minimum patient weight	45kg
Impact level	low and moderate
FOOT INFORMATION	
Categories	1-8
Heel height adjustability up to	50mm
Build height	168 - 176mm
Sizes	22 - 30cm
Weight of PROPRIO FOOT (Size 27, Cat 5)	1468g

Category Selection Guide

Weight (kg)

	45-52	53-59	60-68	69-77	78-88	89-100	101-116	117-125
Low impact level	1	1	2	3	4	5	6	7
Moderate impact level	1	2	3	4	5	6	7	8

Dimensions



PROPRIO FOOT®

Kits

Part#

PRP2 [ ][ ][ ][0]
- Category (1-8)
- Foot Size (22-30cm)

Includes:
- PROPRIO FOOT Ankle
- Foot module
- PROPRIO FOOT Battery dummy
- PROPRIO FOOT Power Supply
- Heel Wedge Kit
- Terms of Warranty
- Quick Reference Cards
- Technical Manual
- Fitting Guide
- Instructions for Use
- Troubleshooting Guide

Components

Picture	Part#	Description
1	PRX00431	Battery Dummy
2	PRX00421	Power supply Kit

Part#	Description	Category	Size
CM150011	Heel Wedge Kit	1-8	22-30

Cosmetic Finishing

Part#

FCE0 [ ][ ][ ]
- Foot Size (22-30cm)
- L/R (Left/Right)

Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Flex-Foot EVO Sock
- Foot Cover Attachment

Part#	Description	Size
FCE63006	Flex-Foot EVO Sock	22-25cm
FCE63007	Flex-Foot EVO Sock	26-30cm

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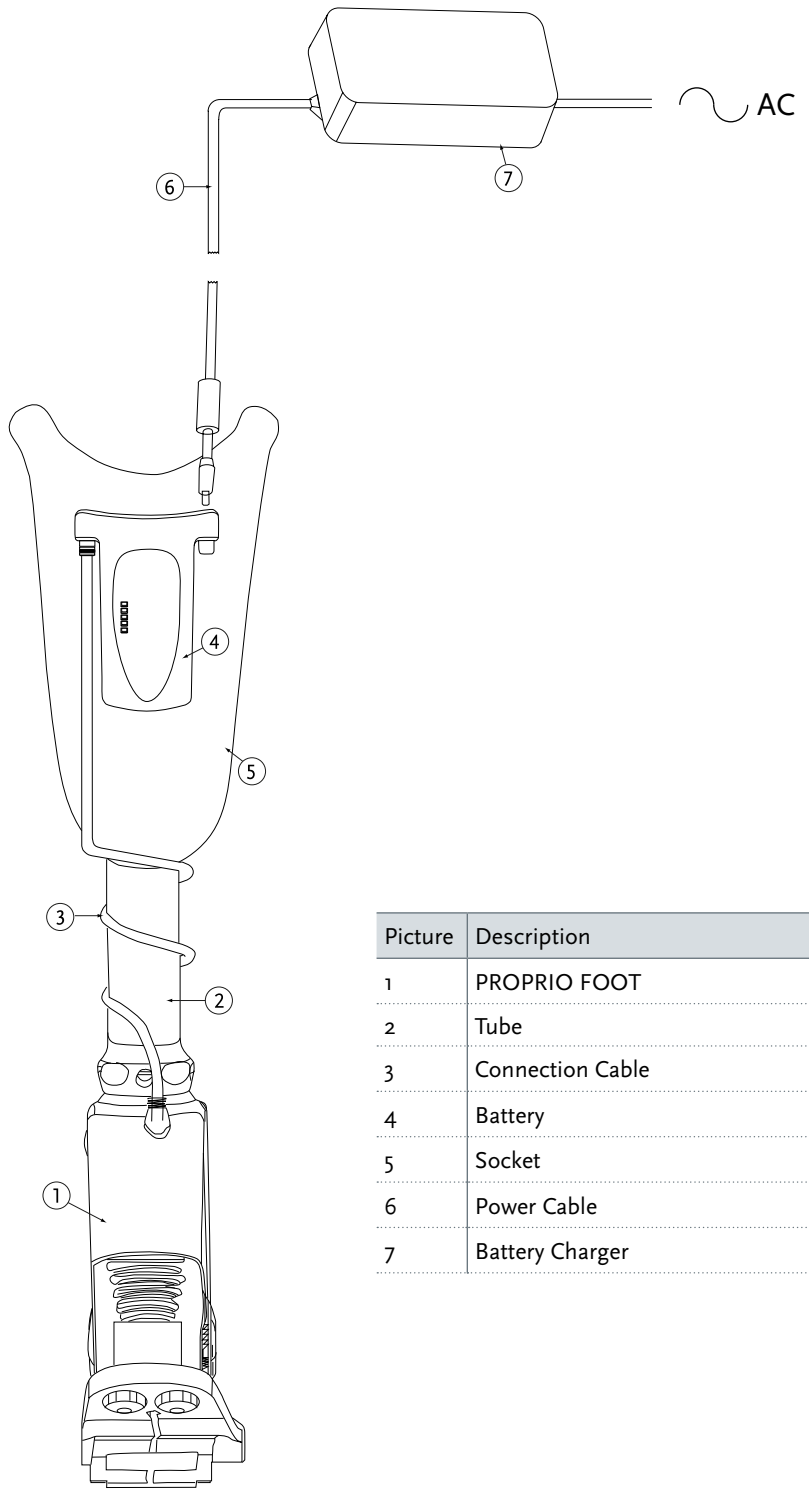
PROPRIO FOOT®

Diagram



Picture	Description
1	PROPRIO FOOT
2	Tube
3	Connection Cable
4	Battery
5	Socket
6	Power Cable
7	Battery Charger

RHEO KNEE®

WALK YOUR WAY

Bionic
12

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RHEO KNEE®

Introduction

We believe obstacles are there to be overcome, not avoided. That's why we have designed the RHEO KNEE, a self-learning prosthetic system so smart that it constantly learns and adapts itself to the individual and his or her environment. Advances in Bionic Technology by Össur have produced a device that automatically listens to your needs and thinks for itself. It learns the way you walk and recognises and responds immediately to changes in speed, load and terrain. Simple to operate, it is the most adaptable solution of its kind.

SENSE

The RHEO KNEE uses advanced sensor technology in the form of load cells to sample force measurements at a rate of 1000 times per second. This means that the microprocessor in the knee is always aware of how the user is loading the prosthesis and can immediately identify different phases of gait or changes in load - when the user picks up a bag for example, or the terrain beneath their feet alters suddenly. If anything out of the ordinary occurs, stance support is instantaneously activated, protecting the user from a potential stumble or fall. Angulometers are also used to sense the trajectory of the knee during swing phase. Resistance is adjusted automatically to generate a natural and smooth pendulum motion, which adapts to different walking speeds or even external factors such as wind or the weight of a shoe.

THINK

Information from the sensors is fed through to the brain of the RHEO KNEE. The software-based artificial intelligence (known as the Dynamic Learning Matrix Algorithm™, or DLMA for short) does the thinking for the user, assessing incoming data and immediately initiating the most appropriate response. From the moment the first step is taken, the RHEO KNEE starts to learn an individual's walking style, a process that continues over time, providing increasingly natural movement. It adapts to any situation, not just those within pre-set and limited parameters, enabling the individual to quickly regain confidence in his or her ability to walk where and how they choose. As the range of walking speed and activity increases, the RHEO KNEE keeps pace, providing virtual prosthetic adjustments to ensure that walking style is maintained with each step.

ACT

From firm, unyielding support when standing, to light and free movement when turning a corner or walking in confined spaces, the RHEO KNEE delivers an exceptionally smooth and fast response. At the heart of the system is an advanced actuator which uses magnetorheological (MR) fluid and rotary blades to vary the knee's resistance throughout each and every step. The MR fluid contains miniscule iron particles. When a magnetic field is applied, these particles start to form chains and resistance increases. The stronger the magnetic field, the stronger the resistance. Unlike hydraulic systems, the resistance offered by MR fluid is customised, activated only when the individual needs it and able to adjust at the speed of light. The result is minimal fluid drag within the knee, which restores a more natural pelvic position during pre-swing and reduces fatigue levels.

RHEO KNEE Bionic Model

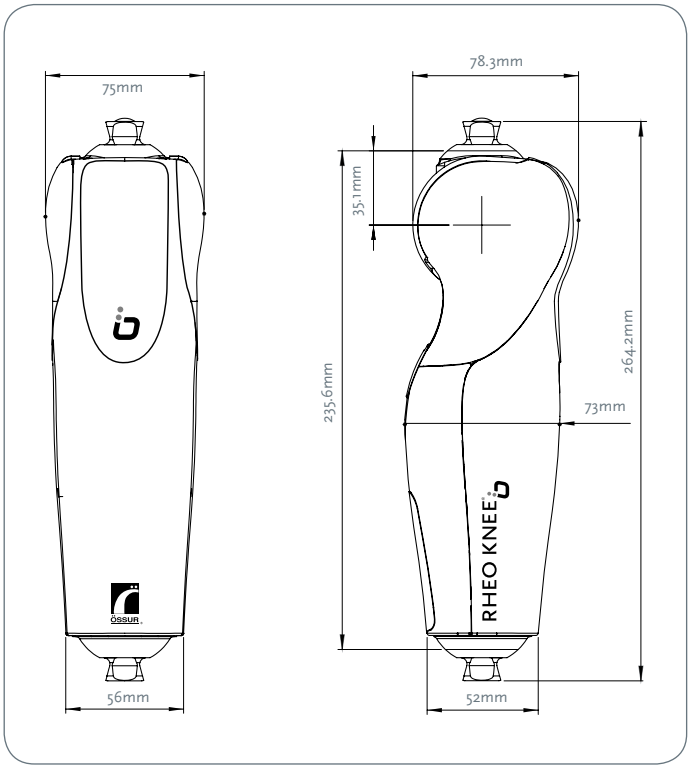
RHEO KNEE®

Information

USER INFORMATION	
Maximum patient weight	125kg
Impact level	low and moderate
KNEE INFORMATION	
Net weight	1520g
Flexion	120°
Build Height	235.6mm

- Distal attachment: Male pyramid
- Proximal attachment: TTA (additional adapter needed - page 15) and male pyramid
- PDA with Bluetooth connection
- 36-month limited warranty
- Includes service at 20 months
- 5-year warranty option

Dimensions



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RHEO KNEE®

Kits

RHEO KNEE KIT (3-year warranty)

Part#	Description
RKN120003	RHEO KNEE Kit (EU)

Includes:
- RHEO KNEE
- RHEO KNEE Charger
- Calibration note
- Warranty Certificate
- User Manual & Information DVD
- Technical Manual
- Quick Reference Card

RHEO KNEE KIT (5-year warranty)

Part#	Description
RKN120013	RHEO KNEE Kit (EU)

Includes:
- RHEO KNEE
- RHEO KNEE Charger
- Calibration note
- Warranty Certificate
- User Manual & Information DVD
- Technical Manual
- Quick Reference Card

Components

Picture	Part#	Description
1	PRX00421	Power Supply (RHEO KNEE Charger)
2	A-145310	Female Pyramid insert for Prong (for long residual limbs)

POWER KNEE™

WALK YOUR WAY

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POWER KNEE®

Introduction

The world's first active prosthesis for above-knee amputees, offering unprecedented function and performance. The POWER KNEE:

- provides the power to walk further and for longer
- assists with the upward motion required for stairs and inclines
- learns and responds to unique patterns of gait for natural, efficient motion

The POWER KNEE works as an integrated extension of its user, restoring the power of lost muscles and the symmetry of movement so vital for those with limb loss. This highly intelligent, second-generation product is now lighter, smaller and more efficient than before.

SENSE

Enhanced sensor technology now located solely within the knee combines accelerometers, gyroscopes, a torque sensor and a load cell, all of which work together to monitor the position, velocity and movement of the knee. They also measure with great accuracy the forces and load applied to the knee at any given moment.
The sum of this data is fed through in a constant stream to the onboard computer within the knee, which, by utilising the power of artificial intelligence, can then work out exactly what type of activity the user is engaged in and successfully predict the next intended movement.

THINK

Artificial intelligence (AI) located in the central microprocessor acts as the 'brain' of the POWER KNEE, replacing the function that the body's central nervous system would normally play in processing information about changes occurring inside and outside the limb if it was still intact.
AI allows the knee to think for itself, to automatically process the data gleaned from the sensors and to anticipate and initiate the required function. The AI in the POWER KNEE also assesses gait symmetry in order to stimulate highly efficient gait patterns, which help to minimise strain on the back, hips and sound side.

ACT

The electromechanical actuator in the POWER KNEE provides the power for active motion. As fast as information about the user's walking pattern is being processed, the microprocessor transmits a stream of signals which instruct the actuator on precisely how to act and the exact amount of power required. The actuator delivers a range of responses, including active lifting power, to lift the prosthetic leg up as the user ascends stairs or slopes, resistance for downhill slopes, and gentle forward propulsion for improved gait dynamics on level ground. Additionally, an integrated torque meter helps recreate the natural feeling of bounce when the leg comes into contact with the ground, absorbing shock and helping to protect back and hips.

POWER KNEE Bionic Model

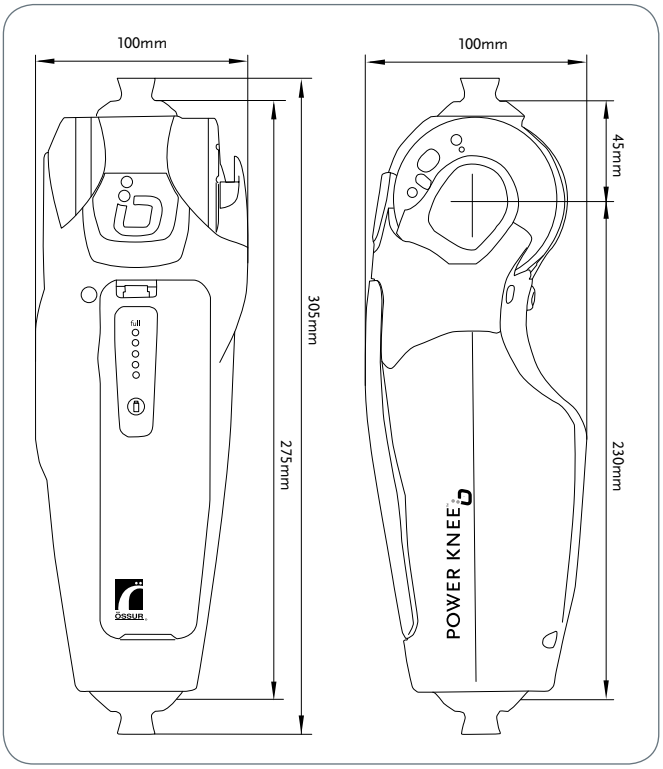
POWER KNEE®

Information

USER INFORMATION	
Amputation Level	Transfemoral
Maximum patient weight	125kg
Impact level	low to moderate
KNEE INFORMATION	
Net weight	2700g
Battery weight	490g
Flexion	120°
Build Height	275mm
Minimum Clearance	380mm

- Aluminium Frame Construction

Dimensions



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POWER KNEE®

Kits

POWER KNEE KIT

Part#	Description
PKN120003	POWER KNEE KIT EU

Includes:
- POWER KNEE
- 2 x Battery Packs
- Battery Charger
- Power Supply
- Warranty Certificate
- User Manual & Information DVD
- Technical Manual
- Bluetooth Dongle

Components

Picture	Part#	Description
1	PK220000	Battery Charger
2	PK230000	Battery Pack

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Interfaces

Introduction

Iceross stands for Icelandic Roll-On Silicone Socket. It was developed by Össur Kristinsson, a prosthetist and prosthetic user, as an alternative suspension system to more conventional methods. It functions as the interface between the skin and the inner socket wall to protect the residual limb and to provide greater comfort to transtibial and transfemoral amputees while wearing their prostheses. Iceross is available in a range of designs to suit different residual limb conditions as well as activity and impact levels.

Features and Benefits

COMFORT - all Iceross Interface systems are made exclusively from medical grade silicone. Silicone has a proven history of use in the medical field due to its unique material properties. With Interfaces, the properties provide benefits such as cushioning for bony prominences and sensitive areas, high elasticity to enable total contact and ease of conformity to most residual limb shapes, and high tear strength for increased durability.

PROTECTION - Iceross has been designed to function in a way similar to a compression stocking, i.e. by improving blood circulation while controlling swelling. It also protects skin and newly formed or sensitive scar tissue by reducing potentially damaging shear forces.

SUSPENSION - the Roll-On method ensures that Iceross grips the skin and displaces it distally as it relaxes, thereby stabilising the soft tissues of the limb. The patented matrix and size-specific distal attachment work together in Iceross locking liners to:

- Evenly distribute forces over the entire surface of the residual limb during swing phase.
- Minimise distal end pressures.
- Resist axial loading during the swing phase of gait.

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Interfaces

Product Overview

Transtibial Solutions

Iceross Seal-In®

Iceross Synergy®

Iceross Dermo®

Iceross Comfort®

Iceross® Activa with TibiaGuard™

Iceross® Cushion Liners

Iceross® Sport

Iceross Synergy®

Iceross Dermo®

Iceross Comfort®

Iceross® Original

Iceross® Post-Op

Iceross® Locking Liners

See Rehab section page 196

Transfemoral Solutions

Iceross Seal-In® X5 (TF)

Iceross Transfemoral Seal-In®

Iceross® Transfemoral locking liners

Iceross Transfemoral Seal-In® Liners

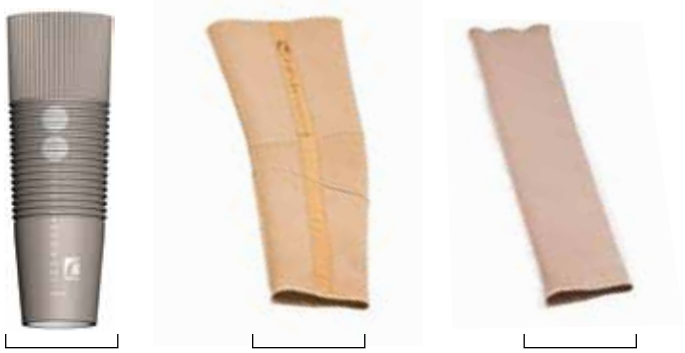
Upper Extremity Solution

Iceross® Upper-X

Junior Solution

Iceross® Junior Wave

Sleeves



Iceross® Sleeve

Iceflex® Endurance

Iceflex® Balance

Iceross®

Product Characteristics

LOCKING
Available with either a locking or lanyard attachment, a size specific umbrella and stabilising matrix. Optimal function of both the umbrella and matrix is dependent on correct size selection of the Iceross liner. The system is designed to distribute forces evenly over the entire surface of the residual limb during swing phase, to minimise distal end pressure and to resist axial loading during the swing phase of gait.

CUSHION
A soft, extra thick distal pad improves user comfort and skin protection. With up to 16mm of soft silicone, the distal pad protects sensitive distal ends and conforms to irregular distal shapes.

WAVE
The Wave feature makes the liner easier to flex at the knee, allowing it to adapt more to the user's movements. And less resistance means that less energy is required to flex the knee. It is designed so that the material stretches effectively at the front and folds in a controlled way behind the knee.

SEAL-IN®
The Iceross Seal-In liner optimises suspension while offering ultimate user convenience for daily use.
- Transtibial hypobaric suspension without a knee sleeve
- Improved rotation control and ease of donning

TIBIAGUARD™
An integrated softer silicone pad provides cushioning for the tibial crest while a thinner stabilising posterior layer adds control and proprioception. The well known wave feature covers the entire anterior part of this liner adding flexibility at the knee. Optimal cushioning in combination with utmost flexibility is given by these two types of silicone in a non-uniform profile.

STABILISING MATRIX
Reinforced fabric integrated into the distal end of the Iceross liners minimises longitudinal stretching. Transfemoral and Upper-X liners have a full-length matrix cover.
- Minimises longitudinal stretching and pistoning
- Protects sensitive distal tissue
- Allows radial stretch

ACTIVE SKIN CARE
Active Skin Care ingredients incorporated into the silicone migrate to the outer layers of the skin helping to maintain a healthy, strong skin.
- Aids in controlling dermatological problems
- Vaseline® helps with skin hydration
- Aloe Vera helps to reduce skin irritation

MENTHOL
Menthol offers a pleasant, fresh smell and has a cooling and soothing effect on the skin

DOUBLE DUROMETER
A stiffer outer layer of silicone provides outstanding stability, while a softer inner layer nurtures the skin and provides shock absorption and comfort.

SILKEN INNER SURFACE
Microengineered surface for superior skin conformance.

FABRIC COVER
For durability and easier donning and doffing.

CONICAL
This latest feature is designed to provide a much more comfortable and intimate liner fit for transtibial amputees with conical-shaped residual limbs. The conical shape incorporates a series of vertical waves intended to reduce pressure and help prevent the proximal edge from rolling down.

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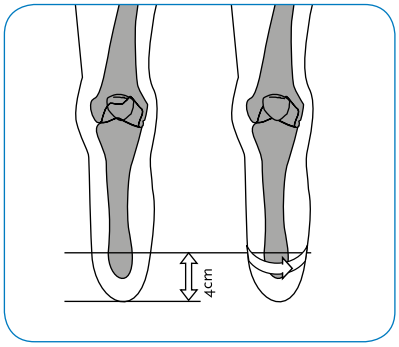
Iceross®

Transtibial Selection

Careful selection of the Iceross liner is required to produce maximum benefit to the user.
When selecting the appropriate transtibial Iceross liner the following must be considered:

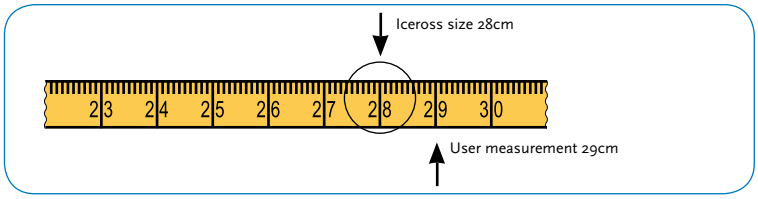
1. Size of the residual limb
2. Matrix length
3. Activity/Impact level of the user
4. Use of fitting aids

1. SIZE



With the tissue of the residual limb hanging down, measure 4cm proximal to the distal end of the limb and mark this point on the skin.

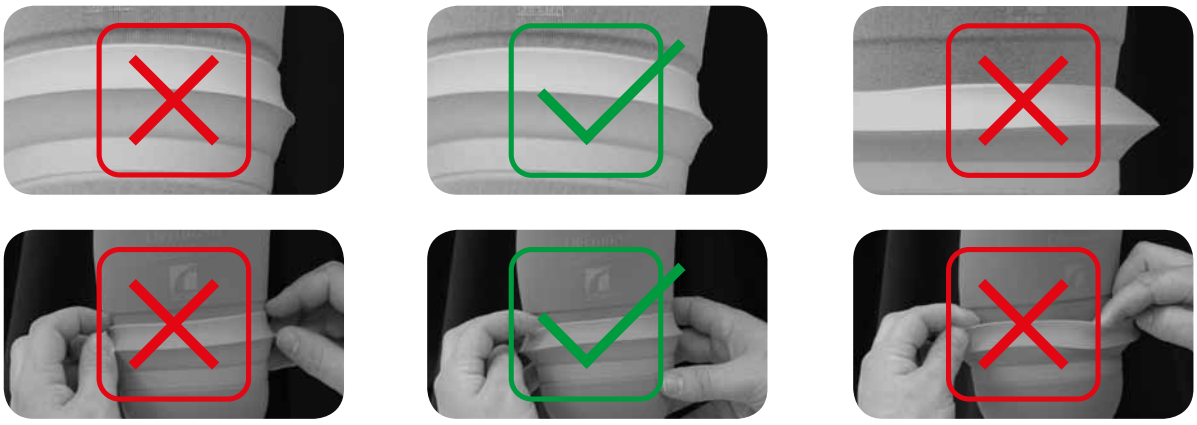
Measure the circumference of the limb at this point.



The measurement taken corresponds to the size of Iceross to be used. Select the liner size matching your measurement or, if between sizes select the next size below. Do not select a size larger than your measurement or more than one size below the measurement. e.g. if the circumference of the limb measures 29cm, select Iceross size 28.

Note locking liners:
The incorporated size-specific umbrella works in conjunction with the matrix. Optimal function of both the umbrella and matrix is dependent on correct size selection of the Iceross liner. Incorrect sizing may cause discomfort to the user, perspiration and reduced control of the prosthesis.

Note transtibial and transfemoral HSM Seal-In® liners:
For Iceross Seal-In liners, it is essential that the Hypobaric Sealing Membrane (HSM™) sits correctly against the liner around its full circumference. Once you have selected the liner according to our instructions, assess the membrane according to the pictures below, visually and manually. Picture 2 is the optimal situation. In some cases, the next size down may need to be selected to achieve this fitting (this is unique to Seal-In liners and should not be applied to other Iceross models). Please note that this does not apply for the Seal-In X5 liners.



1. Liner is too small
2. Liner fits correctly
3. Liner is too big

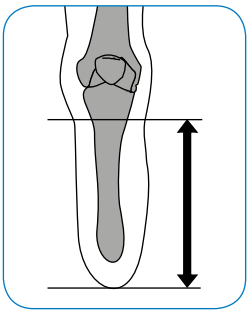
The sizing recommendations are intended as a guide. There may be occasions when alternative sizes need to be selected.

Iceross®

Transtibial Selection

2. MATRIX LENGTH

Most Iceross liners are available with 5cm and 10cm and custom matrix options (2cm-14cm). The length of the matrix within the Iceross liner should be considered on the residual limb.



On transtibial applications the tibia end should be contained within the stabilising matrix. However, to prevent restriction of the knee during flexion, the matrix should not extend above the level of the fibula head

3. ACTIVITY AND IMPACT LEVELS

The activity and impact levels of the user are important considerations when selecting a liner. Activity levels relate to function whereas impact levels relate to the amount of loading placed through the Iceross liner, which may be associated with the activity level or the weight of the user. Assess the activity and impact level of the amputee according to the statements on page 3.

4. FITTING AIDS

The profile of the Iceross is cylindrical with a rounded distal end. This design accommodates most residual limb shapes. There are occasions, however, when a patient will exhibit an unusual or irregular residual limb shape that does not allow a total contact fit between the skin and the Iceross. The fitting aids are designed to work in conjunction with the Iceross to change the profile of unusual or irregular residual limb shapes to match that of the Iceross. This process is known as profile matching.

Assess the residual limb shape:

- If the shape is cylindrical, then no fitting aids are required.
- If the residual limb presents a square or flattened distal end, then an Iceross Pad should be installed distally to ensure profile matching between the end of the residual limb and the rounded end of the Iceross liner.
- If the residual limb is conical in shape, then a Distal Cup could be used in conjunction with the Iceross to help ensure correct profile matching. The Distal Cup will assist in providing a more cylindrical shape prior to fitting the Iceross liner.
- Iceross liner size is selected from a measurement taken over the Distal Cup on the residual limb.
- If the residual limb presents with a bulbous distal end (ankle disarticulation, Symes, Lisfranc etc), Iceross use is contraindicated and you should consult your local Össur representative to find an appropriate solution.

Now you can select the appropriate Iceross product for the user.

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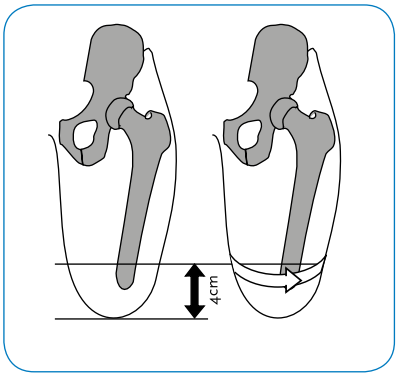
Iceross®

Transfemoral Selection

The transfemoral residual limb offers slightly different challenges to the prosthetist than the transtibial residual limb in terms of achieving optimal results from a prosthetic fitting. In recognising these challenges, Össur was the first to design and introduce a specific Iceross Transfemoral liner to offer comfort, protection and optimal suspension of the transfemoral prosthesis.

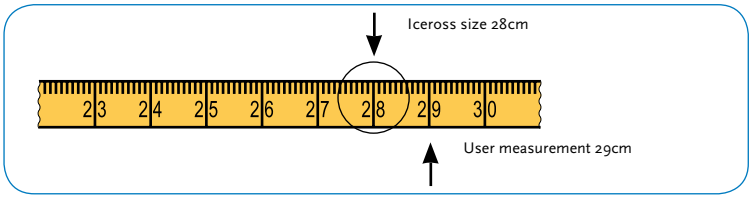
1. Size
2. Limb length
3. Profile
4. Use of fitting aids

1. SIZE



With the tissue of the residual limb hanging down, measure 4cm proximal to the distal end of the limb and mark this point on the skin.

Measure the circumference of the limb at this point with medium tension on the tape measure.



The measurement taken corresponds to the size of Iceross to be used. Select the liner size matching your measurement or, if between sizes select the next size below. Do not select a size larger than your measurement or more than one size below it. e.g. if the circumference of the limb measures 29cm, select Iceross size 28.

Note locking liners:
To achieve optimal results from the Iceross liner, it is important that the correct size of liner is selected. Incorrect sizing may cause discomfort to the user, perspiration and reduced control of the prosthesis.

Note HSM Seal-In liners:
Please refer to the note about size confirmation of the seal on page 25.

Record the measurement and refer to the vertical axis of the selection chart.

2. RESIDUAL LIMB LENGTH

Compare the residual limb length to the sound limb by dividing the sound limb femur into thirds.
- The proximal third is considered SHORT length - refer to selection chart part A.
- The middle third is considered MEDIUM length - refer to selection chart part B.
- The distal third is considered LONG length - refer to selection chart part C.

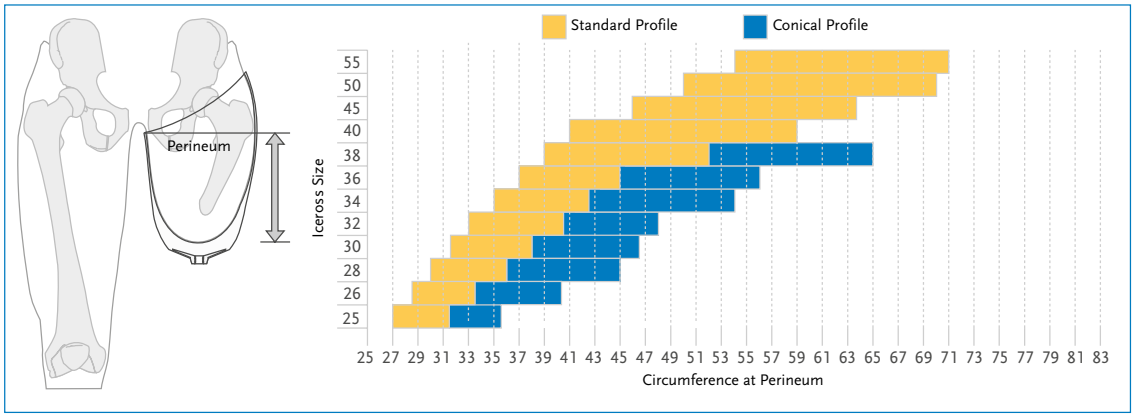
Iceross®

Transfemoral Selection

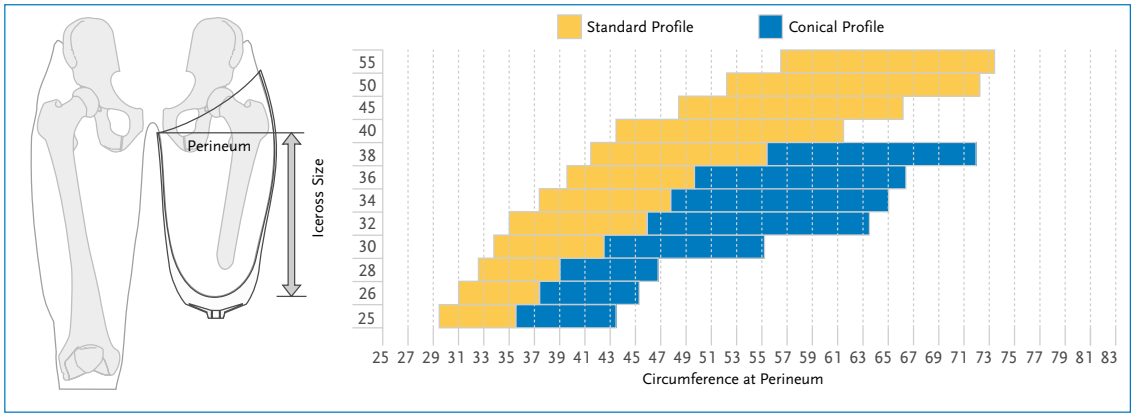
3. PROFILE

Measure and record the circumference of the limb at the level of the perineum, refer to the horizontal axis of the selection chart. If the intersection of the horizontal and vertical axes lies in the yellow area of the selection chart then a standard profile is recommended; if it lies in the blue area then a conical profile is recommended.

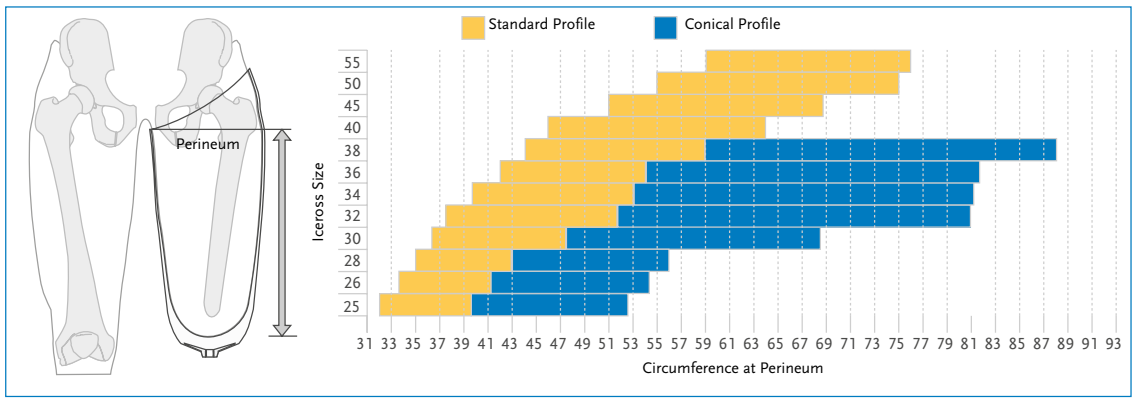
A SHORT RESIDUAL LIMB - AMPUTATION IN PROXIMAL THIRD OF THIGH



B MEDIUM RESIDUAL LIMB - AMPUTATION IN MIDDLE THIRD OF THIGH



C LONG RESIDUAL LIMB - AMPUTATION IN DISTAL THIRD OF THIGH



4. FITTING AIDS

Use the priciples of profile matching as described in transtibial section. If there are any deep scars or voids fill with Iceross Pad or silicone putty.

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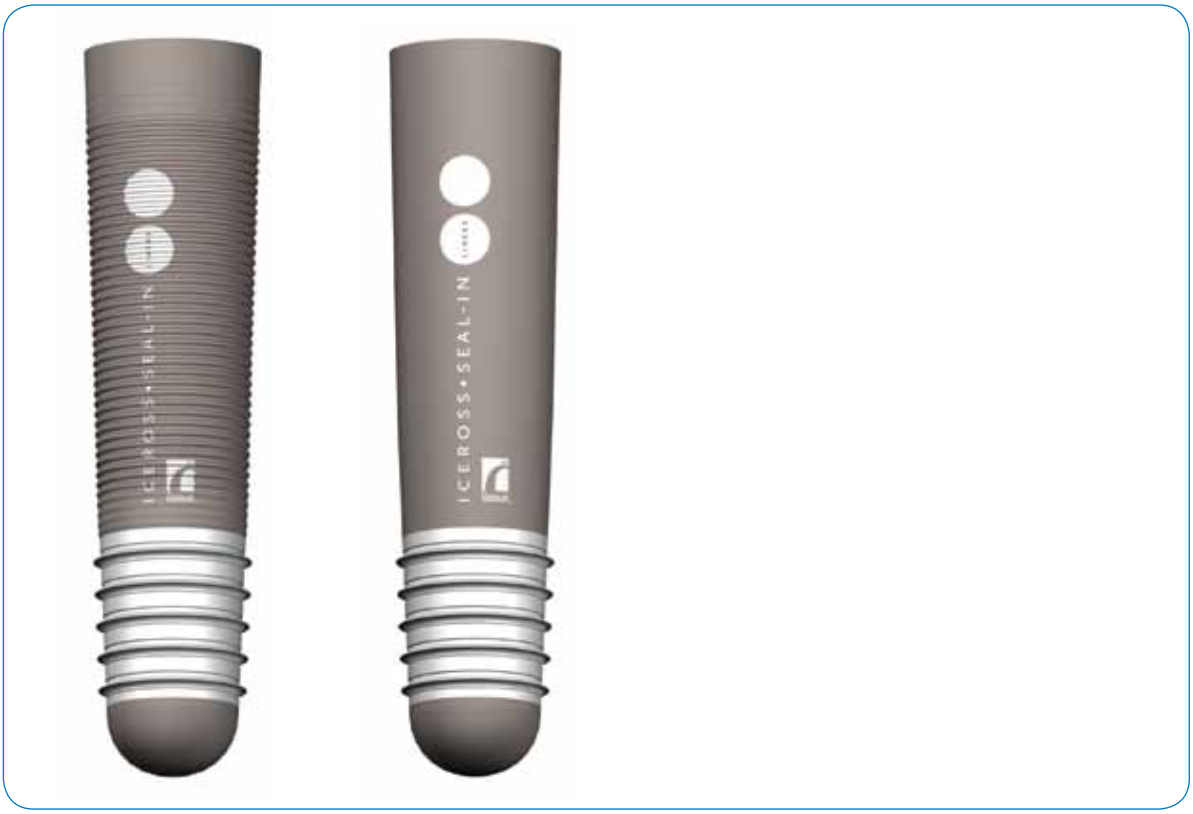
Iceross Seal-In® (TT)

Introduction

Iceross Seal-In X5 is a suspension liner for low, medium and high activity users. Five integral seals provide a firm, comfortable suspension without an external sleeve. For lower limb amputees preferring a suction socket, the liberation from the restriction of a sleeve offers substantially improved freedom of movement, increased comfort and simplified maintenance.

Also available with Wave for easier flexing at the knee.



USER INFORMATION	
Amputation Level	Transtibial
Impact Level	Low Moderate High

LINER INFORMATION
Available Suspension Methods

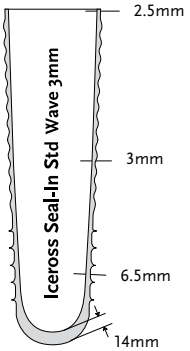
Seal-In

Features

Fabric cover | Matrix | Aloe Vera | Wave | Menthol

Iceross Seal-In® X5 Wave

It is recommended that Iceross Seal-In X5 is used in conjunction with Icelock® Expulsion Valve L-551002. See page 77 for more details.



LINER INFORMATION	
Size	18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36 (Size 23 = 23.5 and size 26 = 26.5)
For sizing and selection advice please refer to pages 24 - 28.	
Profile	3mm
Matrix	10-13cm, size dependent
Suspension	

Seal-In

Features

Fabric cover

Matrix

Aloe Vera

Menthol

Wave

Ordering Information

ICEROSS SEAL-IN X5 WAVE

Part#	Profile	Suspension method	Matrix
I-3664XX	3mm	Seal-In	10-13cm, size dependent

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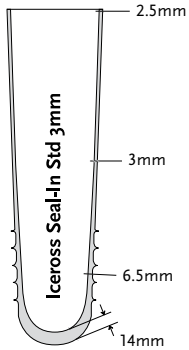
Iceross Seal-In® X5

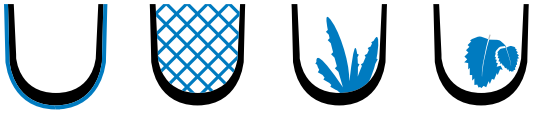
It is recommended that Iceross Seal-In X5 is used in conjunction with Icelock® Expulsion Valve L-551002. See page 77 for more details.



LINER INFORMATION	
Size	18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36 (Size 23 = 23.5 and size 26 = 26.5)
For sizing and selection advice please refer to pages 24 - 28.	
Profile	3mm
Matrix	10-13cm, size dependent
Suspension	

Seal-In

Features



Fabric cover | Matrix | Aloe Vera | Menthol

Ordering Information

ICEROSS SEAL-IN X5

Part#	Profile	Suspension method	Matrix
I-3663XX	3mm	Seal-In	10-13cm, size dependent

Iceross Dermo Seal-In® HSM

It is recommended that Iceross Dermo Seal-In is used in conjunction with Icelock® Expulsion Valve L-551002. See page 77 for more details.

LINER INFORMATION	
Size	18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36 (Size 23 = 23.5 and size 26 = 26.5)

For sizing and selection advice please refer to pages 24 - 28.

Profile	3mm
Matrix	10cm

*Please note that deviation in the stabilising matrix length can be +/- 1.5cm.

Suspension

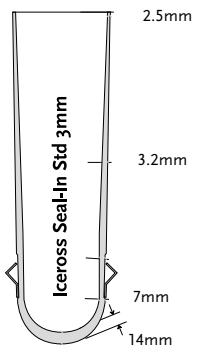
Seal-In

Features

Fabric cover

Matrix

Aloe Vera



Part Number Information

ICEROSS DERMO SEAL-IN

Part#	Profile	Suspension method	Matrix
I-4613XX	3mm	Seal-In	10cm

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Iceross Cushion liners

Introduction

User indications:
- Applicable to all shapes and sizes of residual limbs requiring gentle cushioning
- Recommended for all activity levels
- Ideal for transtibial amputees seeking the reassurance of a suspension sleeve

Medical benefits:
- Pressure relief, which reduces the risk of sensitive or diabetes-impaired skin breakdown
- Good control due to optimal surface contact with the residual limb
- Comfortable user experience supports active lifestyles

The wave feature makes the liner easier to flex at the knee, allowing it to adapt more to the user's movements. Less resistance means that less energy is required to flex the knee. It stretches easily over the patella and effectively controls folding of the liner behind the knee.

Iceross Synergy®
A firm silicone outer layer provides outstanding stability for active use, while a softer shock-absorbing inner layer nurtures the skin, offering superb suspension and comfort. The synergy of the different durometers is what makes this Iceross liner such a comfortable socket interface for daily life.

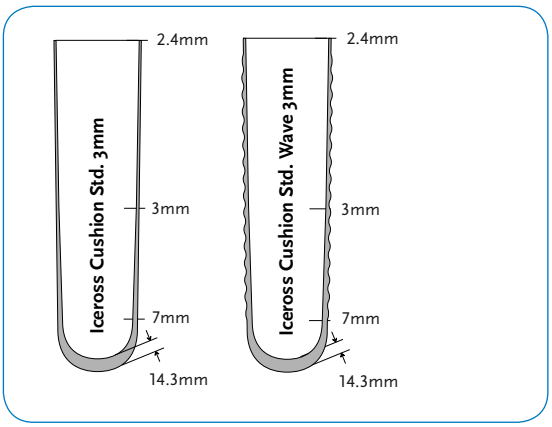
Iceross Dermo®
Superb softness, gentle skin contact and Össur's unique Active Skin Care ingredients. The combination of DermoGel® silicone with an ultra-strong and elastic Supplex® outer cover offers excellent durability and an intimate fit. Ideal for vascular patients and those with sensitive skin.

Iceross Comfort®
Gentle but strong, the comfortable option. This durable and affordable liner gently conforms to the user's profile, producing a comfortable interface.

Iceross® Activa with Tibiaguard™
Being well acquainted with the world of active people, Össur knows that freedom of movement and shock absorption are on top of the wish list. The Iceross Activa is the first silicone liner of its kind to accommodate these demanding user requirements in one liner. A unique new feature makes it possible - TibiaGuard™.

Iceross Synergy® Cushion

It is recommended that Iceross Synergy Cushion liners are used in conjunction with the Iceross Sleeve and Icelock® Expulsion Valve L-551002. See pages 53/77 for more details.



USER INFORMATION	
Amputation Level:	Transtibial
Impact Level:	Moderate High Sport

LINER INFORMATION	
Size*:	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 40 (Size 23 = 23.5 and size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

Profile: 3mm

Suspension:

Cushion

Features:

Fabric cover

Silken inner surface

Double durometer

Active Skin Care

Menthol

Wave

Ordering Information

ICEROSS SYNERGY CUSHION

Part#	Profile	Suspension method
I-CW63XX	3mm Wave	Cushion
I-CL63XX	3mm	Cushion

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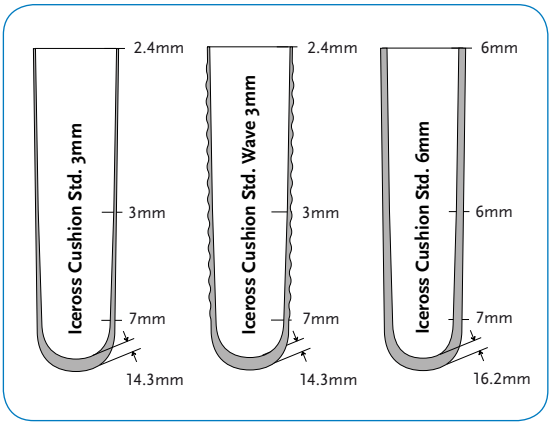
Iceross Dermo® Cushion

It is recommended that Iceross Dermo Cushion liners are used in conjunction with the Iceross Sleeve and Icelock® Expulsion Valve L-551002. See pages 53/77 for more details.



USER INFORMATION	
Amputation Level:	Transtibial
Impact Level:	Low Moderate High (only for very sensitive skin or bony residual limb)
Conditions:	Sensitive skin Diabetic Vascular

LINER INFORMATION	
Size*:	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 40 (Size 23 = 23.5 and size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

Profile:	3mm and 6mm

Suspension:

Cushion

Features:

Fabric cover | Silken inner surface | Active Skin Care | Wave

Ordering Information

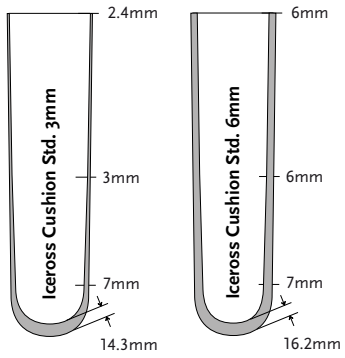
ICEROSS DERMO CUSHION

Part#	Profile	Suspension method
I-CW43XX	3mm Wave	Cushion
I-CL43XX	3mm	Cushion
I-CL46XX	6mm*	Cushion

*Not available in size 40.

Iceross Comfort® Cushion

It is recommended that Iceross Comfort Cushion liners are used in conjunction with the Iceross Sleeve and Icelock® Expulsion Valve L-551002. See pages 53/77 for more details.



USER INFORMATION	
Amputation Level:	Transtibial
Impact Level:	Low Moderate
Conditions:	Sensitive areas Bony prominences

LINER INFORMATION	
Size*:	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 40 (Size 23 = 23.5 and size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

Profile:	3mm and 6mm

Suspension:

Cushion

Features:

Fabric cover

Ordering Information

ICEROSS COMFORT CUSHION

Part#	Profile	Suspension method
I-CL53XX	3mm	Cushion
I-CL56XX	6mm*	Cushion

*Not available in size 40.

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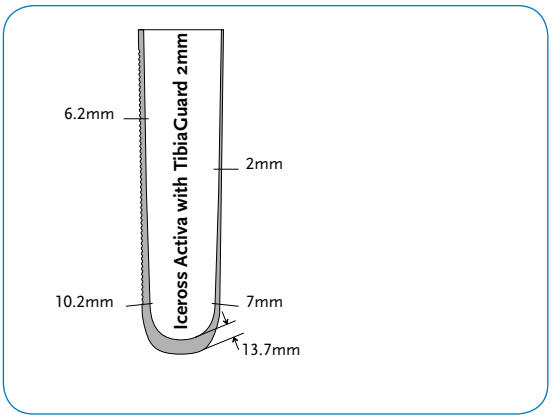
Iceross® Activa with TibiaGuard™

It is recommended that the Iceross Activa with Tibiaguard liner is used in conjunction with the Iceross Sleeve and Icelock® Expulsion Valve L-551002. See pages 53/77 for more details.



LINER INFORMATION	
Amputation Level:	Transtibial
Impact Level:	Moderate, High and Sport

LINER INFORMATION	
Size*:	18, 20, 22, 23, 25, 26, 28, 30, 32, 34 (Size 23 = 23.5 and size 26 = 26.5)

*For sizing and selection advice please refer to Product Catalogue, pages 24 - 28.

Profile:	2mm

Suspension:

Cushion

Features:

TibiaGuard | Fabric Cover | Active Skin Care | Wave

Double Durometer | Silken Inner Surface

Ordering Information

ICEROSS ACTIVA

Part#	Profile	Suspension method
I-CT62XX	2mm Wave	Cushion

Iceross Locking Liners

Introduction

User indications:
- Especially good for those requiring soft tissue stabilisation
- Applicable to medium and shorter limb lengths (<12cm)

Medical benefits:
- Increased control due to soft tissue stabilisation
- Reduced pistoning in mid-swing
- Good compliance – easy to use for patients with compromised hand-agility

The wave feature makes the liner easier to flex at the knee, allowing it to adapt more to the user's movements. Less resistance means that less energy is required to flex the knee. It stretches easily over the patella and effectively controls folding of the liner behind the knee.

Iceross Synergy®
A firm silicone outer layer provides outstanding stability for active use, while a softer shock-absorbing inner layer nurtures the skin, offering superb suspension and comfort. The synergy of the different durometers is what makes this Iceross liner such a comfortable socket interface for daily life.

Iceross Dermo®
Superb softness, gentle skin contact and Össur's unique Active Skin Care ingredients. The combination of DermoGel® silicone with an ultra-strong and elastic Supplex® outer cover offers excellent durability and an intimate fit. Ideal for vascular patients and those with sensitive skin.

Iceross Comfort®
Gentle but strong, the comfortable option. This durable and affordable liner gently conforms to the user's profile, producing a comfortable interface.

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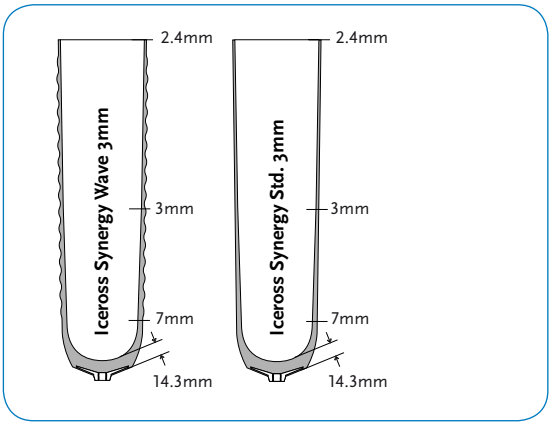
Iceross Synergy® Locking

It is recommended that Iceross locking liners are used in conjunction with the Icelock® 200 or 600 Series. See pages 71/78 for more details.



USER INFORMATION	
Amputation Level:	Transtibial
Impact Level:	Moderate High Sport

LINER INFORMATION	
Size*:	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 40, 45 (Size 23 = 23.5 and size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

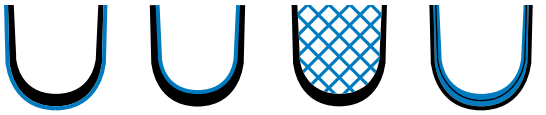
Profile:	3mm
Matrix:	10cm or a custom matrix** (2cm-14cm)

**For custom matrix, please specify the required matrix length on your order. Custom and special order products are not returnable. Please note that deviation in the stabilising matrix length can be +/- 1.5cm.

Suspension:

Locking

Features:


Fabric cover

Silken inner surface

Stabilising matrix

Double durometer

Active Skin Care

Menthol

Wave

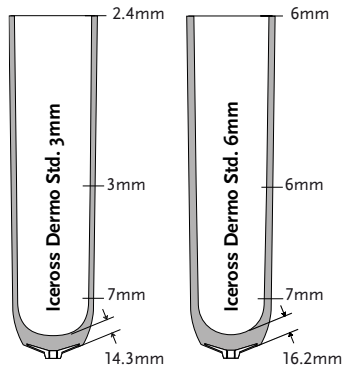
Ordering Information

ICEROSS SYNERGY

Part#	Profile	Suspension method	Matrix
I-6303XX	3mm Wave	Locking	10cm
I-6206XX	3mm Wave	Locking	Custom 2-14cm
I-6003XX	3mm	Locking	10cm
I-6203XX	3mm	Locking	Custom 2-14cm

Iceross Dermo® Locking

It is recommended that Iceross locking liners are used in conjunction with the Icelock® 200 or 600 Series. See pages 71/78 for more details.



USER INFORMATION	
Amputation Level:	Transtibial
Impact Level:	Low Moderate High (only for very sensitive skin or bony residual limb)
Conditions:	Sensitive skin Diabetic Vascular

LINER INFORMATION	
Size*:	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 40, 45 (Size 23 = 23.5 and size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

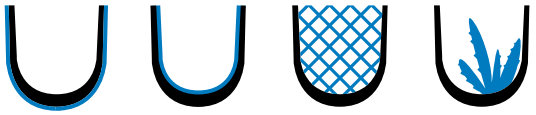
Profile:	3mm
Matrix:	10cm, 5cm or a custom matrix** (2cm-14cm)

**For custom matrix, please specify the required matrix length on your order. Custom and special order products are not returnable. Please note that deviation in the stabilising matrix length can be +/- 1.5cm.

Suspension:

Locking

Features:



Fabric cover | Silken inner surface | Stabilising matrix | Active Skin Care

Ordering Information

ICEROSS DERMO

Part#	Profile	Suspension method	Matrix
I-4013XX	3mm	Locking	10cm
I-4513XX	3mm	Locking	5cm
I-4213XX	3mm	Locking	Custom 2-14cm
I-4016XX	6mm	Locking	10cm
I-4516XX	6mm	Locking	5cm
I-4216XX	6mm	Locking	Custom 2-14cm

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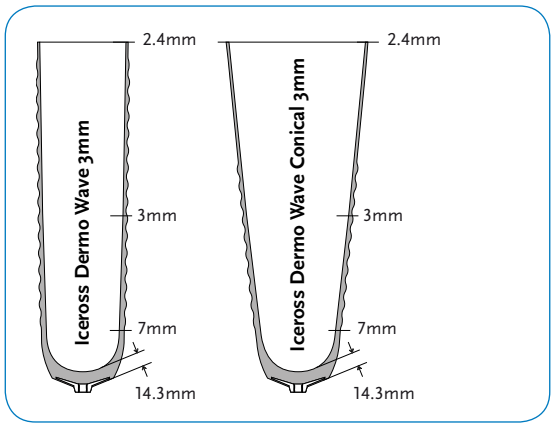
Iceross Dermo® Locking with Wave

NOW AVAILABLE IN TWO PROFILES

It is recommended that Iceross locking liners are used in conjunction with the Icelock® 200 or 600 Series. See pages 71/78 for more details.



USER INFORMATION	
Amputation Level:	Transtibial
Impact Level:	Low Moderate High (only for very sensitive skin or bony residual limb)
Conditions:	Sensitive skin Diabetic Vascular

LINER INFORMATION	
Size*:	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 40, 45 (Conical sizes available 18-36) (Size 23 = 23.5 and size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

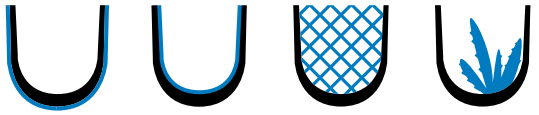
Profile:	3mm
Matrix:	10cm or a custom matrix** (2cm-14cm)

**For custom matrix, please specify the required matrix length on your order. Custom and special order products are not returnable. Please note that deviation in the stabilising matrix length can be +/- 1.5cm.

Suspension:

Locking

Features:



Fabric cover | Silken inner surface | Stabilising matrix | Active Skin Care

Wave | Conical

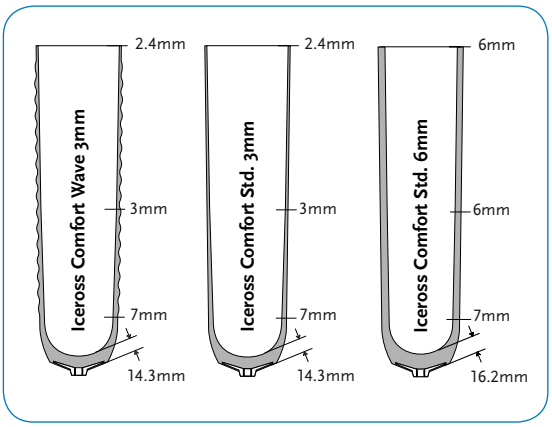
Ordering Information

ICEROSS DERMO

Part#	Profile	Suspension method	Matrix
I-4313XX	3mm Wave	Locking	10cm
I-4223XX	3mm Wave	Locking	Custom 2-14cm
I-4913XX	Conical 3mm Wave	Locking	10cm

Iceross Comfort® Locking

It is recommended that Iceross locking liners are used in conjunction with the Icelock® 200 or 600 Series. See pages 71/78 for more details.



USER INFORMATION	
Amputation Level:	Transtibial
Impact Level:	Low Moderate
Conditions:	Sensitive areas Bony prominences

LINER INFORMATION	
Size*:	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 40, 45 (Size 23 = 23.5 and size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

Profile:	3mm and 6mm
Matrix:	10cm, 5cm or a custom matrix** (2cm-14cm)

**For custom matrix, please specify the required matrix length on your order. Custom and special order products are not returnable. Please note that deviation in the stabilising matrix length can be +/- 1.5cm.

Suspension:

Locking

Features:

Fabric cover | Stabilising matrix | Wave

Ordering Information

ICEROSS COMFORT

Part#	Profile	Suspension method	Matrix
I-5406XX	3mm	Locking	10cm
I-5806XX	3mm	Locking	5cm
I-5506XX	3mm	Locking	Custom 2-14cm
I-5006XX	6mm	Locking	10cm
I-5706XX	6mm	Locking	5cm
I-5106XX	6mm	Locking	Custom 2-14cm
I-5306XX	3mm Wave	Locking	10cm

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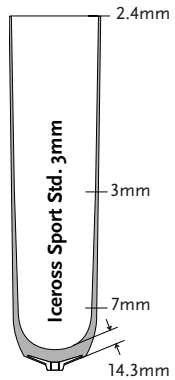
Iceross® Sport

Heavy-duty rotation control and an aluminium umbrella ensure this liner's performance enhances that of its user, whatever the sport. Interchangeable distal attachment.

It is recommended that Iceross locking liners are used in conjunction with the Icelock® 200 or 600 Series. See pages 71/78 for more details.



USER INFORMATION	
Amputation Level	Transtibial
Impact Level	High & Sport
Conditions	Soft tissue control

LINER INFORMATION	
Size	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34 (Size 23 = 23.5 and size 26 = 26.5)

For sizing and selection advice please refer to pages 24 - 28.

Profile	3mm
Matrix	5cm, 10cm or custom matrix (2cm-14cm)

* For custom matrix, please specify the required matrix length on your order. Custom and special order products are not returnable. Please note that deviation in the stabilising matrix length can be +/- 1.5cm.

Suspension

Locking

Features

Fabric cover

Matrix

Double durometer

Aloe Vera

Menthol

Ordering Information

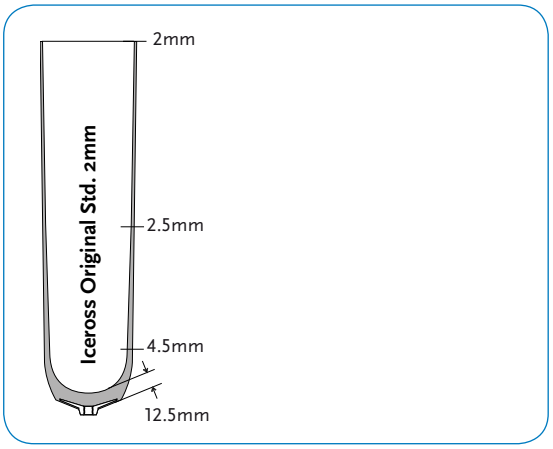
ICEROSS SPORT

Part#	Profile	Suspension method	Matrix
I-1533XX	3mm	Locking	5cm
I-1033XX	3mm	Locking	10cm
I-1233XX	3mm	Locking	Custom 2-14cm*

Iceross® Original Locking

Iceross Original with cover

It is recommended that Iceross locking liners are used in conjunction with the Icelock® 200 or 600 Series. See pages 71/78 for more details.



USER INFORMATION	
Amputation Level	Transtibial
Impact Level	All

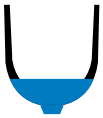
LINER INFORMATION	
Size	16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 38, 40, 42, 45 (Size 23 = 23.5 and size 26 = 26.5)

For sizing and selection advice please refer to pages 24 - 28.

Profile	2mm
Matrix	5cm, 10cm or a custom matrix (2cm-14cm)

*For custom matrix, please specify the required matrix length on your order. Custom and special order products are not returnable. Please note that deviation in the stabilising matrix length can be +/- 1.5cm.

Suspension



Locking

Features

Fabric cover Matrix

Ordering Information

ICEROSS ORIGINAL WITH COVER

Part#	Profile	Suspension method	Matrix
I-2124XX	2mm	Locking	5cm
I-0124XX	2mm	Locking	10cm
I-2024XX	2mm	Locking	Custom 2-14cm*

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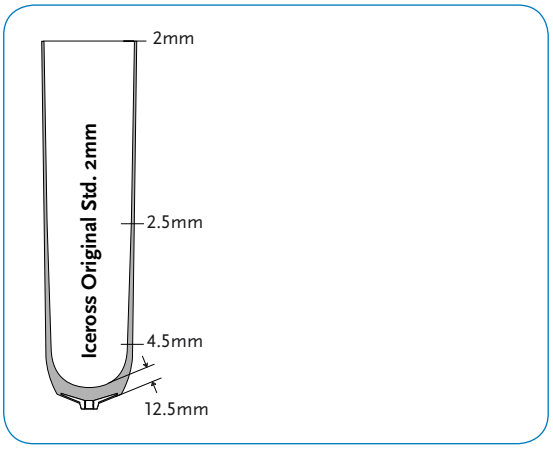
Iceross® Original Locking

Iceross Original without cover

It is recommended that Iceross locking liners are used in conjunction with the Icelock® 200 or 600 Series. See pages 71/78 for more details.



LINER INFORMATION	
Size	12, 14, 16, 18, 20, 22, 23, 25, 26, 28, 30, 32, 34, 36, 38, 40, 42, 45 (Size 23 = 23.5 and size 26 = 26.5)

For sizing and selection advice please refer to pages 24 - 28.

Profile	2mm
Matrix	5cm, 10cm or a custom matrix (2cm-14cm)

*For custom matrix, please specify the required matrix length on your order. Custom and special order products are not returnable. Please note that deviation in the stabilising matrix length can be +/- 1.5cm.

Suspension

Locking

Features

Matrix

Ordering Information

ICEROSS ORIGINAL WITHOUT COVER

Part#	Profile	Suspension method	Matrix
I-2104XX	2mm	Locking	5cm
I-0104XX	2mm	Locking	10cm
I-2004XX	2mm	Locking	Custom 2-14cm*

Iceross Transfemoral Seal-In® Liners

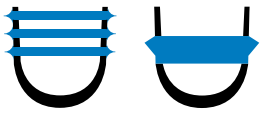
Introduction

Iceross Transfemoral Seal-In Liners are specifically designed to provide secure suspension for low, moderate and high activity transfemoral users. The incorporated seals provide a firm, comfortable suspension controlling rotation within the socket. It has a full length stabilising matrix for added stability control.

USER INFORMATION	
Amputation Level:	Transfemoral
Impact Level:	All

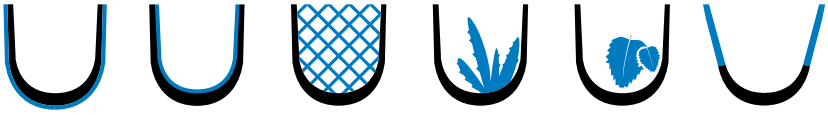
LINER INFORMATION

Available Suspension Methods:



Seal-In X5 | Seal-In

Features:



Fabric cover | Silken inner surface | Stabilising matrix | Active Skin Care | Menthol | Conical

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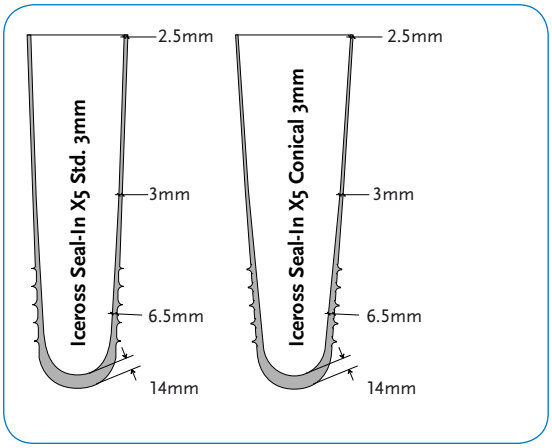
Iceross Seal-In® X5 (TF)

It is recommended that Iceross Seal-In X5 is used in conjunction with Icelock® Expulsion Valve L-551002 or L-552000. See page 77 for more details.



LINER INFORMATION	
Size Standard*:	25, 26, 28, 30, 32, 34, 36, 38, 40, 45, 50, 55 (size 26 = 26.5)
Size Conical*:	25, 26, 28, 30, 32, 34, 36, 38 (size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

Profile:	Standard and Conical 3mm

Suspension:

Seal-In X5

Features:

Fabric cover

Silken inner surface

Stabilising matrix

Active Skin Care

Menthol

Conical

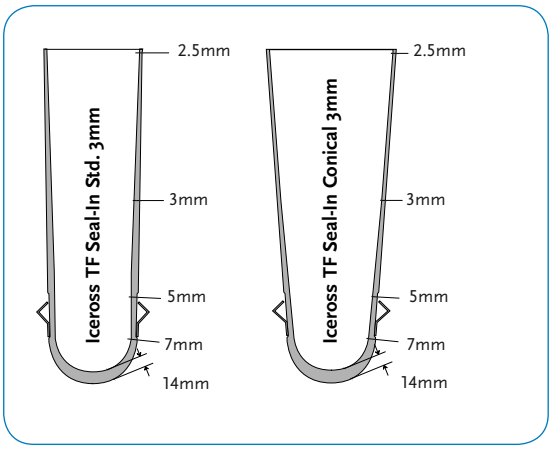
Ordering Information

ICEROSS SEAL-IN X5

Part#	Profile	Suspension method
I-TF673XX	Standard 3mm	Seal-In X5
I-TF678XX	Conical 3mm	Seal-In X5

Iceross Transfemoral Seal-In®

It is recommended that Iceross TF HSM Seal-In is used in conjunction with Icelock® Expulsion Valve L-551002 or L-552000. See page 77 for more details.



LINER INFORMATION	
Size Standard*:	25, 26, 28, 30, 32, 34, 36, 38, 40, 45, 50, 55 (Size 26 = 26.5)
Size Conical*:	25, 26, 28, 30, 32, 34, 36, 38 (Size 26 = 26.5)

*For sizing and selection advice please refer to pages 24 - 28.

Profile:	Standard and Conical 3mm

Suspension:

Seal-In

Features:

Fabric cover

Silken inner surface

Stabilising matrix

Active Skin Care

Conical

Ordering Information

ICEROSS TRANSFEMORAL SEAL-IN

Part#	Profile	Suspension method
I-7532XX	Standard 3mm	Seal-In
I-7632XX	Conical 3mm	Seal-In

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Iceross® Transfemoral Locking Liners

Introduction

The first ever liner designed specifically for transfemoral applications, combines gentle skin care with a full length matrix for excellent suspension and stability.

USER INFORMATION	
Amputation Level:	Transfemoral
Impact Level:	All

LINER INFORMATION
Available Suspension Methods:

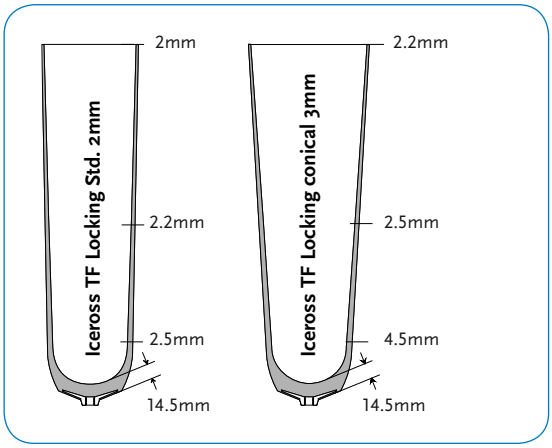
Locking

Features:

Fabric cover | Silken inner surface | Stabilising matrix | Active Skin Care | Conical

Iceross® Transfemoral Locking

It is recommended that Iceross locking liners are used in conjunction with the Icelock® 200 or 600 Series. See pages 71/78 for more details.



LINER INFORMATION	
Size Standard*:	25, 26, 28, 30, 32, 34, 36, 38, 40, 45, 50, 55 (Size 26 = 26.5)
Size Conical*:	25, 26, 28, 30, 32, 34, 36, 38 (Size 26 = 26.5)

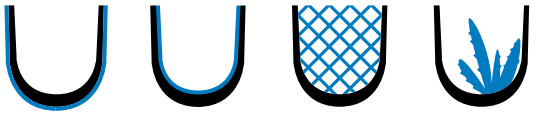
*For sizing and selection advice please refer to pages 24 - 28.

Profile:	Standard 2mm and conical 3mm

Suspension:

Locking

Features:



Fabric cover | Silken inner surface | Stabilising matrix | Active Skin Care

Conical

Ordering Information

ICEROSS TRANSFEMORAL

Part#	Profile	Suspension method
I-7032XX	Standard 2mm	Locking
I-7132XX	Conical 3mm	Locking

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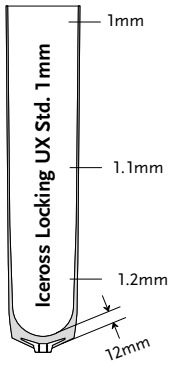
Iceross® Upper-X

Iceross Upper-X - Locking

Stability and anatomical fit for upper extremity amputees.

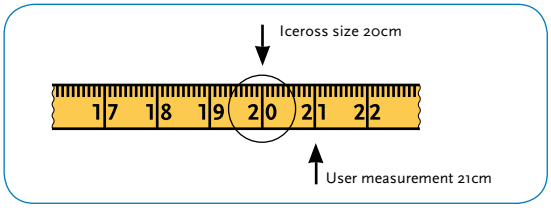
Upper-X has an M6 threaded distal attachment. It is recommended that Iceross Upper-X is used with the Icelock® 700 Series. See page 84 for more details.



USER INFORMATION	
Amputation Level	Transradial and Transhumeral
Impact Level	All
Conditions	Soft tissue control

LINER INFORMATION	
Size	12, 14, 16, 18, 20, 22.

Measure the circumference 4cm from the distal end and select the corresponding size, or the next size down.
Note: Downsizing the liner is not recommended as it may compromise suspension and cause discomfort.



Profile	1mm
Suspension	

Locking

Features

Fabric cover

Matrix

Aloe Vera

Ordering Information

ICEROSS UPPER-X - LOCKING

Part#	Profile	Suspension method
I-8131XX	1mm	Locking
L-792031	Pin Adapter, M10 - M6 *	

*To convert alternative liners with M10 thread to M6 for use with 700 series lock

Iceross® Junior NEW

Introduction

Available in a choice of two silicone blends to suit activity levels and limb conditions. A blank cover and a set of magic markers mean that children can now create their own designer liner, helping them to come to terms with their prosthesis and have some fun! It is recommended that Iceross Junior liners are used in conjunction with the Icelock® 700 series. See page 84 for more details.

USER INFORMATION	
Amputation Level:	Transtibial
LINER INFORMATION	
Size*:	12, 14, 16, 18

*For sizing and selection advice please refer to pages 24 - 28.

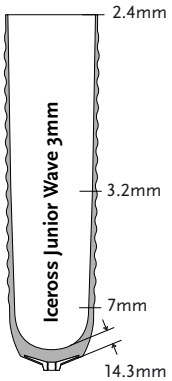
Profile:	3mm
Matrix:	5mm

Suspension:

Locking

Features:

Fabric cover | Silken inner surface | Active Skin Care | Stabilising matrix



Ordering Information

ICEROSS JUNIOR

Part#	Profile	Material	Suspension method
I-8301XX	3mm	Stabilo - DermoSil	Locking
I-8302XX	3mm	Dermo - DermoGel	Locking
L-792031	Pin Adapter, M10 - M6 *		

*To convert alternative liners with M10 thread to M6 for use with 700 series lock

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Iceross® Sleeve

Introduction

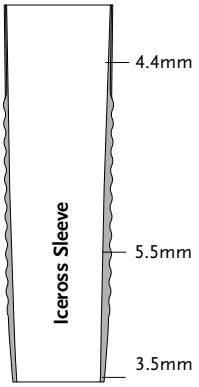
The Iceross Sleeve is designed for longer lasting suction, more security and less resistance at the knee.

Össur took Wave technology to the next level when developing the Iceross Sleeve. The Wave feature makes the liner easier to flex at the knee, allowing it to adapt more to the user's movements. Less resistance means that less energy is required to flex the knee. It stretches effectively at the front and folds in a controlled way behind the knee, reducing vaso-constriction and positively influencing blood-circulation in this area.

The profile of the sleeve is thicker around the socket brim, focusing on strength at selected areas to reduce wear and tear.

The Iceross Sleeve is for all activity levels.

It is recommended that Iceross Sleeves are used in conjunction with the Iceross Cushion Liner range and the Icelock® 500 Series. See pages 33 and 77 for more information.



SLEEVE INFORMATION	
Size	35, 41, 49, 55, 62
Measure circumference 15cm above mid-patella and choose the correct size.	
Length	35cm

Ordering Information

ICEROSS SLEEVE

Part#	Size	Measurement
F-201135	35cm	35 - 41cm
F-201141	41cm	41 - 49cm
F-201149	49cm	49 - 55cm
F-201155	55cm	55 - 62cm
F-201162	62cm	62 - 76cm

Iceflex® Endurance

Introduction

- Pre-flexed to facilitate knee flexion
- Radial stretch in distal and proximal areas, longitudinal stretch in knee area
- Vertical reinforcements for reduced pistoning
- Reinforced seal at proximal and distal ends
- For moderate and high impact levels

Ordering Information

Measure circumference 15cm above mid-patella and choose the correct size

Part#	Size	Length	Measurement
F-010735	35	36cm	35-41cm
F-010741	41	36cm	41-49cm
F-010749	49	36cm	49-55cm
F-010755	55	36cm	55-62cm
F-010762	62	36cm	62-69cm

Note: Correct alignment is important. Place the pre-flexed knee section over the brim of the socket and the vertical reinforcement ribbons along the sides in the M/L direction. Allow sleeve to extend approximately 5cm above the proximal edge of the interface to maintain an airtight seal.

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Iceflex® Balance

Introduction

- Easy to don
- Soft, elastic cover
- Soft silicone inner layer for gentle skin contact
- For low and moderate impact levels

Ordering Information

Measure circumference 15cm above mid-patella and choose the correct size

Part#	Size	Length	Measurement
F-101035	35	36cm	35-49cm
F-101049	49	36cm	49-62cm
F-101062	62	36cm	62-76cm

Note: Allow sleeve to extend approximately 5cm above the proximal edge of the interface to maintain an airtight seal.

Distal Cup™

The Distal Cup is intended for use with Iceross liners. It is made from silicone and is designed for conical or sensitive residual limbs that require volume build-up.

PRODUCT INFORMATION	
Size	06, 07, 09, 11, 12, 14, 16, 17, 19, 20, 22, 24, 26.

To select the correct Distal Cup size, the circumference is measured approximately 4cm above the distal end of the residual limb. Select the Distal Cup two or three sizes smaller than the measurement and roll on. To select the correct Iceross liner size to fit over the Distal Cup, the circumference is measured approximately 4cm above the end of the Distal Cup. Select Iceross liner size as measured or the next size down.

Ordering Information

Part#	Description
I-3000XX	Distal Cup

Iceross® Pads

Iceross Pads are ideal for pressure distribution in highly loaded areas, padding over bony prominences and as a filler for deep voids and scarred residual limbs.

Ordering Information

Part#	Size	Fits Iceross Liner Size
I-610338	38mm	12-20
I-610348	48mm	21-23.5
I-610358	58mm	25-28
I-610368	68mm	30-32
I-610378	78mm	34-36
I-610388	88mm	38-42
I-610398	98mm	45

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Iceross® Accessories

Introduction

Iceross Clean & Simple skin care products have been carefully developed to help ensure that the use and maintenance of Iceross liners is convenient, comfortable and hygienic.

Ordering Information

(W) Also available on **www.ossurwebshop.co.uk** NEW

CLEAN & SIMPLE SET 1

Part#	Description
S-010001	Soap, Lotion & Lubricant Spray (W)

This set includes one bottle each of soap, moisturising lotion and lubricant spray (250ml). For Iceross liners without fabric covers and Iceross Seal-In liners.

CLEAN & SIMPLE SET 2

Part#	Description
S-010002	2 Soaps & 1 Lotion (W)

This set includes two bottles of soap and one bottle of moisturising lotion (250ml). It is ideal for those using Iceross liners with covers when a lubricant spray is not required.

CLEAN & SIMPLE SOAP

Part#	Description
S-210250	Soap (W)

Iceross Clean & Simple soap is a mild liquid soap for daily hygienic treatment of the skin and the silicone liner. Free from fragrances and dyes, it is designed for sensitive skin and contains natural ingredients that nourish and soften the skin. It has a pH of 5.5 and is hypoallergenic. (250ml)

CLEAN & SIMPLE MOISTURISING LOTION

Part#	Description
S-410250	Moisturising Lotion (W)

Iceross Clean & Simple moisturising lotion is a non-greasy restorative lotion that nourishes and softens the skin. It is free from fragrance and dyes, has a pH of 5.5 and is hypoallergenic. (250ml)

CLEAN & SIMPLE LUBRICANT SPRAY

Part#	Description
S-610250	Lubricant Spray (W)

Iceross Clean & Simple lubricant spray aids the donning and doffing of Iceross Original without fabric cover and Iceross Seal-In liners. (250ml)

SILICONE ADHESIVE

Part#	Description
I-400310	For repair of minor damage to Iceross liners (8g)

Helpful for stabilisation of fabric cover on Iceross Transfemoral liners after trimming.

ICEROSS CURVEMASTER

Part#	Description
K-220000	Iceross Curvemaster
K-200150*	Replacement Cutting Wheels Set

*Includes
Upper cutting wheel (K-200126)
Lower cutting wheel (K-200127)
Friction ring (K-200118)

Iceross® Accessories

Ordering Information

Part#	Description	Length
K-190200	Interface Sheath	28cm

The Interface Sheath makes donning and doffing of the socket easier. Designed with a reinforced distal opening for durability.

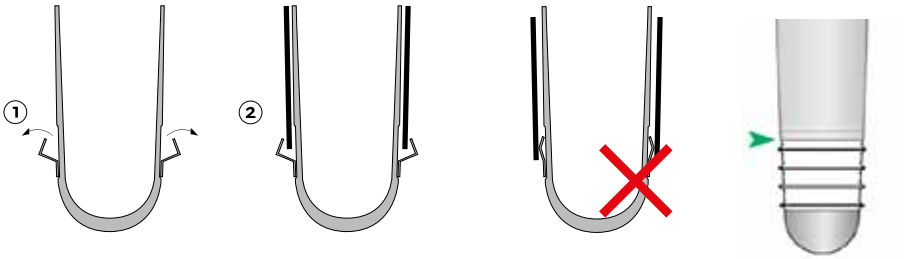
Part#	Description	Length
K-520002	Iceross Sock 2-Ply – Two Socks in a Pack	32cm
K-520004	Iceross Sock 4-Ply – Two Socks in a Pack	33cm

The socks are thin distally to prevent the residual limb from being pushed out of the socket as more socks are added. This will ensure good function from the socket lock. Designed with a fully knitted hole for the distal connector.

ICEROSS SEAL-IN SOCK

Part#	Size	Iceross Size	Length	Ply
K-531110	10	16-25	35cm	1
K-531113	13	26.5-34	35cm	1
K-531116	16	36-45	35cm	1
K-531120	20	50-55	35cm	1
K-531310	10	16-25	35cm	3
K-531313	13	26.5-34	35cm	3
K-531316	16	36-45	35cm	3
K-531320	20	50-55	35cm	3

The Seal-In sock is designed to work in combination with the Iceross Seal-In liner to obtain an improved fit if volume reduction is experienced in the proximal area of the residual limb. The Seal-In sock is intended for use above the Hypobaric Sealing Membrane (HSM™) only and should never cross it. For X5 liners the sock should only cover the top seal.



Note: Loss of suspension will be encountered if a sock is placed over the HSM or all 5 seals of the X5.

ICEROSS SEAL-IN SPRAY PEN

Part#	Description
I-990100	Iceross Seal-In Spray Pen (W)

A covenient 9ml spray for handbag or pocket.

ICEROSS PROSTHESIS BAGS

Part#	Description
P-960110	Iceross Below Knee Prosthesis Bag (W)
P-960120	Iceross Above Knee Prosthesis Bag (W)

(W) Also available on www.ossurwebshop.co.uk

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Sockets

Introduction

While Iceross can be used with conventional socket designs, the best outcomes are realised with a Total Surface Bearing (TSB) socket design.

The TSB design can offer several advantages over traditional socket designs including:
- Force distribution over the entire surface of the residual limb, which reduces peak pressures in the socket.
- The resulting total contact with the residual limb enhances blood circulation.
- Proprioception is improved.

Össur recommends the following casting methods for creating a transtibial TSB socket for use with Iceross:
- Hand cast or Pressure cast with plaster of Paris
- Modular Socket System direct casting using the Icecast® Anatomy Kit (for transtibial applications only)

Training courses available on request, please contact your Össur representative.

Each procedure is described in detail in the Össur Technical Manuals, which can be downloaded at **www.ossur.co.uk**. The success of any of the methods depends on the correct selection and application of the Iceross® liner.

Accurate, efficient socket-making

Össur works with prosthetists worldwide, developing socket-making techniques that deliver consistently good clinical outcomes. Icecast Anatomy provides additional control over soft tissue during pressure casting, reducing rectification time and ensuring repeatable, accurate results. The Modular Socket System offers a mobile socket-making system that requires only one appointment to produce the socket. Precasting adjustments for pressure points eliminate the need for rectifications.

Contents

Icecast® Anatomy **61**
Icecast® Compact **62**
Modular Socket System **63**
Pressure Pads **65**

Icecast® Anatomy NEW

With MSS Toolkit

Icecast Anatomy represents a further development of the pressure-casting concept. Contour Cell™ shaping-chambers positioned over soft tissue areas can be inflated independently to achieve displacement of the tissue creating a more anatomically correct socket shape. The increased control over the socket shape enhances user comfort, stability and rotation control. As the residual limb is "loaded" by the pressure-casting instrument during casting, it is possible to eliminate the need for modification of the resultant socket shape.

This kit also includes all the tools required for the manufacture of MSS sockets.

Kits

Part#	Description
M-500300	Icecast MSS Tool Kit Anatomy

Includes:
- Icecast Anatomy Bladder
- Icecast Pump
- Resin Injection Tool
- Distal Attachment Tool
- Taping Ring
- Icecast Case (with attachments for trolley - sold separately)

Components

ICECAST MSS MATERIAL KIT

Part#	Description
M-500105	MSS Material Kit/5" Glass Fiber Braids
M-500107	MSS Material Kit/7" Glass Fiber Braids
M-500205	MSS Material Kit/5" Carbon Fiber Braids
M-500207	MSS Material Kit/7" Carbon Fiber Braids

Includes:
- Glass Fiber Braids (5" or 7") or Carbon Fiber Braids (5" or 7")
- Resin Cartridge
- Silicone Insulation Sheets 2x0.6m (2x2ft)
- Silicone Insulation Cap
- Molding Tube

Icecast® Compact NEW

With MSS Toolkit

The Icecast Compact provides a simple and effective way of guaranteeing that a TSB socket fit is achieved for use with a 3mm profile Iceross silicone locking liner. The system provides a simpler and more durable socket fabrication tool than the Icecast Anatomy as it does not contain the Contour Cell technology. Socket fabrication is therefore simpler and modifications of the anatomical shape are minimal, without affecting user comfort.

This kit also includes all the tools required for the manufacture of MSS sockets.

Kits

Part#	Description
M-500301	Icecast MSS Toolkit Compact

Includes:
- Icecast Compact Bladder
- Icecast Pump
- Resin Injection Tool
- Distal Attachment Tool
- Taping Ring
- Icecast Case (with attachments for trolley)

Components

ICECAST MSS MATERIAL KIT

Part#	Description
M-500105	MSS Material Kit/5" Glass Fiber Braids
M-500107	MSS Material Kit/7" Glass Fiber Braids
M-500205	MSS Material Kit/5" Carbon Fiber Braids
M-500207	MSS Material Kit/7" Carbon Fiber Braids

Includes:
- Glass Fiber Braids (5" or 7") or Carbon Fiber Braids (5" or 7")
- Resin Cartridge
- Silicone Insulation Sheets 2x0.6m (2x2ft)
- Silicone Insulation Cap
- Molding Tube

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Modular Socket System

Components

GLASS FIBRE BRAIDS WITH DISTAL ATTACHMENT

Size	1pc	10pc
5"	M-100101	M-100110
7"	M-100201	M-100210

CARBON FIBRE BRAIDS WITH DISTAL ATTACHMENT

Size	1pc	10pc
5"	M-100401	M-100410
7"	M-100501	M-100510

RESIN

Part#	Description
M-200101	Resin Cartridge (1pc)
M-200110	Resin Cartridge (10pc)
M-200150	Resin Cartridge (50pc)
M-200100	Resin Cartridge (100pc)

RELATED PRODUCTS

Picture	Part#	Description
1	L-661000	600 Modular Spacer for Icelock 600 Series*
	L-621100	Icelock Ratchet 621 Adaptation Kit
	L-631100	Icelock Lanyard 631 Adaptation Kit
	L-651100	Icelock Smooth 651 Adaptation Kit
2	A-242500	4 Hole Female Pyramid with 20/20 Offset
	L-214100	Icelock Clutch 4H 214 for Modular Socket System

* Use with 600 series adaptation kits.

Icecast® & MSS Tooling

Components

Picture	Part#	Description
1	D-040510	Icecast Pump
2	D-040520	Icecast Anatomy Bladder
3	D-040560	Icecast Compact Bladder
4	M-400201	Resin Injection Tool
5	D-040532	Distal Attachment Tool for Icecast
6	D-040550	Distal Attachment Tool for Plaster Casting
7	X-990368	Taping Ring
8	M-500330	Trolley for Icecast Case

ACCESSORIES

Picture	Part#	Description
1	M-400101	Silicone Insulation Sheets (30m)
2	M-400206	Bottom Seal
3	M-400301	Silicon Insulation Sheets 2x0.6m (2x2ft)
4	M-400102	Silicone Insulation Caps (10pc)

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Pressure Pads

Introduction

Pressure Pads are designed to reduce peak pressure in sockets on prominent bony areas. Made from a non-compressible silicone that optimises pressure redistribution, Pressure Pads can improve the comfort of laminated, thermoformed or directly manufactured sockets such as the Modular Socket System. The pads feature a self-adhesive backing to enable easy application.

Kits

Picture	Part#	Description
1	K-190100	Set No. 1
2	K-190101	Discs
3	K-190102	Spoon, Large
4	K-190104	Cylindrical, Large
5	K-190110	Set No. 2
6	K-190115	Oval
7	K-190150	Ergo Pads

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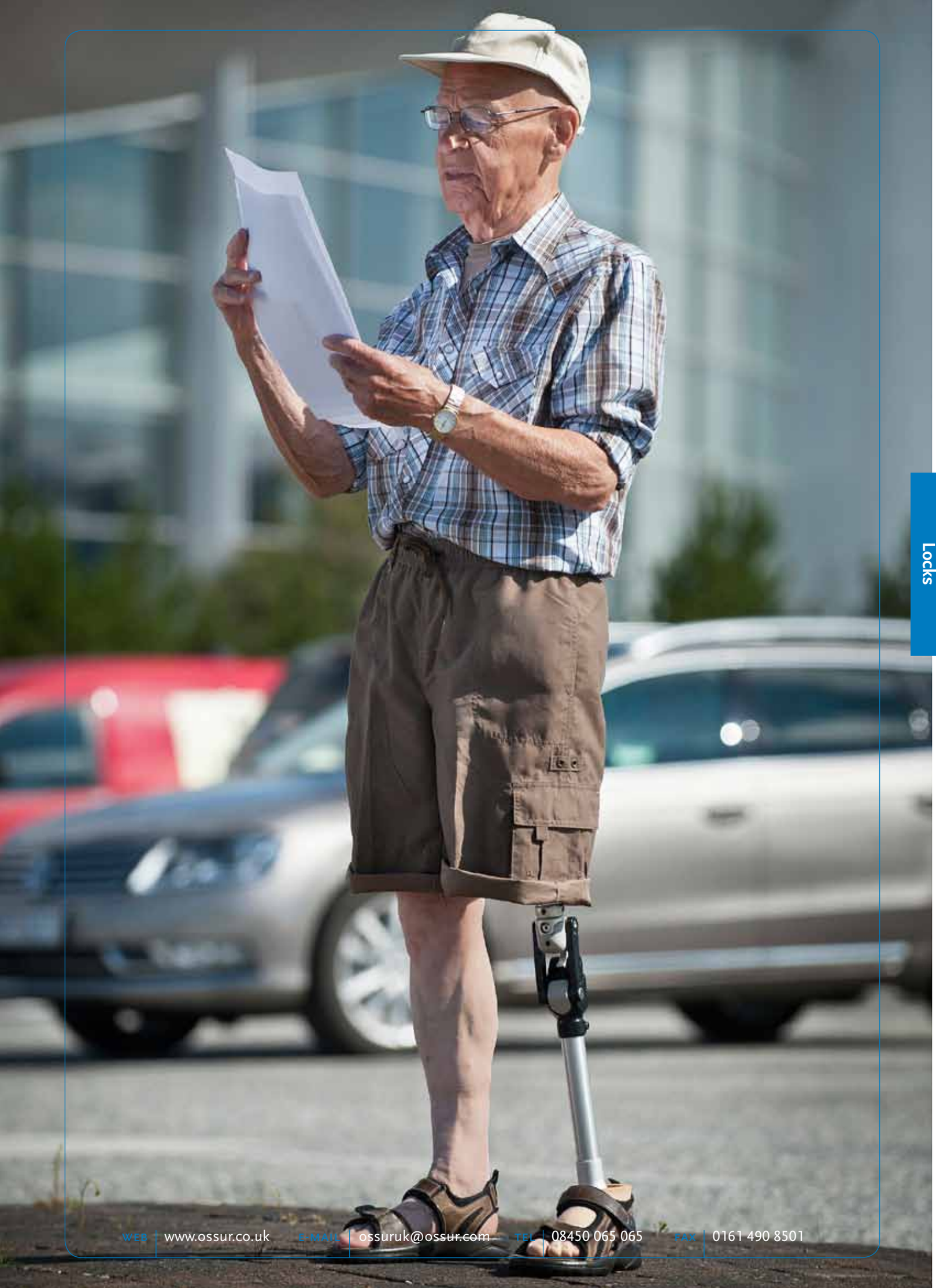

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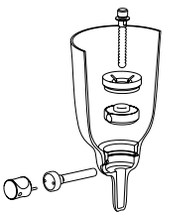
Locks

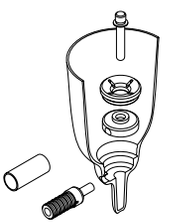
Introduction

RATCHET PIN (Used with Iceross locking liners)
For moderate and highly active amputees with bony residual limbs who prefer the security of stepping into the prosthesis to don the socket. The ratchet pin makes an audible clicking sound when it engages, which many amputees find reassuring.

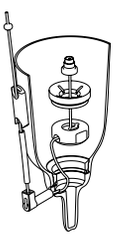


CLUTCH PIN (Used with Iceross locking liners)
For amputees of all activity levels who have fleshy residual limbs. The patient dons the prosthesis by winding into the socket rather than pushing or stepping into it.

SMOOTH PIN (Used with Iceross locking liners)
For moderate and highly active amputees with bony residual limbs who prefer the security of stepping into the prosthesis to don the socket. The lock is silent when it engages, and provides a secure suspension along the entire length of the pin.



LANYARD (Used with Iceross locking liners)
For new amputees or low to moderately active amputees with fleshy residual limbs who prefer to be pulled into the socket to don the prosthesis. This suspension system allows the user to apply their prosthesis while sitting down.



DISTAL VALVE (Designed for use with Iceross cushion liners)
For amputees of all activity levels who cannot tolerate a distal attachment or prefer suction suspension to a mechanical method. Used in conjunction with an Iceflex® suspension sleeve, this suspension system allows the user to apply their prosthesis while sitting down.

EXPULSION VALVE
For use with all Iceross Seal-In liners and for Iceross Cushion liners with a sleeve.

Contents

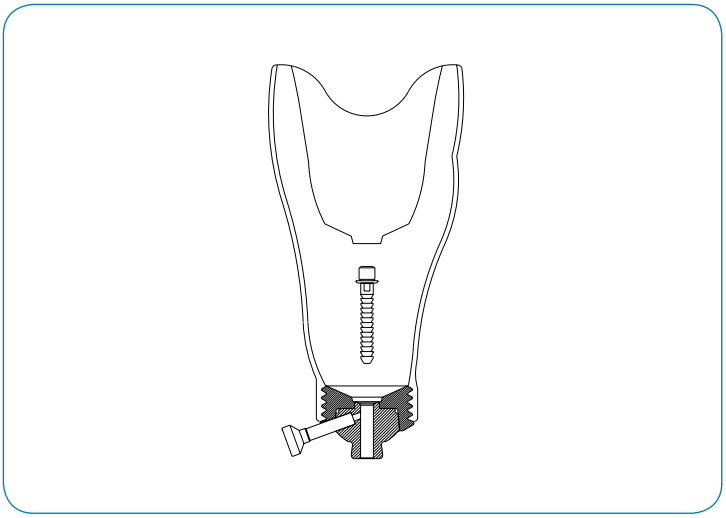
Icelock® 100 Series **69**
Icelock® 200 Series **71**
Icelock® 300 Series **75**
Icelock® 500 Series **77**
Icelock® 600 Series **78**
Icelock® 700 Series **84**

Icelock® 100 Series

Introduction

Ratchet lock with integrated pyramid.

- Interchangeable
- Easy to use - single lamination
- Can change to lanyard or valve
- Rated up to 120kg
- All impact levels



Part Number Information

ICELOCK 100 SERIES

Picture	Part#	Description	Ratings	Build Height	Weight
1	L-125000	Icelock 125 Ratchet Stainless Steel Pyramid	120kg	22mm	115g
2	L-180001	Icelock 100 Fabrication Kit without braid	N/A	22mm	99g
3	L-180002	Icelock 100 Fabrication Kit with braid	N/A	22mm	285g
4	L-192010	Lanyard Adaptation Kit			
5	L-192015	Expulsion Valve			

Icelock® 100 Series

Components

SPARE PARTS

Picture	Part#	Description
1	L-192000	Attachment Pin Ratchet, standard with cap, length 42mm, 13 notches
2	L-192003	Attachment Pin Ratchet, short with cap, length 22mm, 7 notches
3	L-192005	Attachment Pin Ratchet, long with cap, length 52mm, 17 notches
4	L-193144	Screw M5 x 20 for Titanium Pyramid and Stainles Steel Pyramid
5	L-192027	Release Unit Pin/Valve

FOR FABRICATION KITS

Picture	Part#	Description
1	L-192020	Puck and Ring for Puck
2	L-192031	Carbon Braid 50cm on Puck and Ring
3	L-192025	SmartCast Tool
4	L-192185	Ring for Puck

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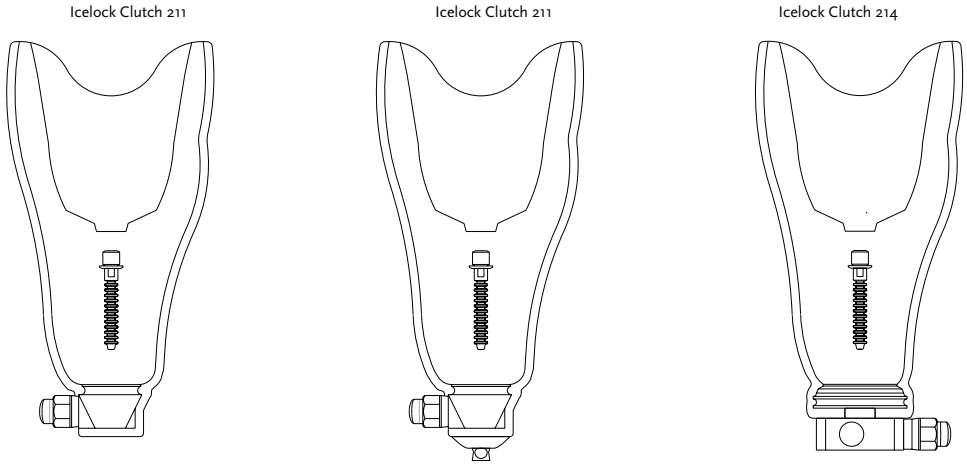
Icelock® 200 Series

NOW WITH EASY RELEASE

Introduction

Clutch locks
- Low build height and lightweight
- Wear-resistant stainless steel pin guide
- Rated up to 100kg, 120kg and 166kg
- Secure clutch mechanism tested to tolerate at least a 300kg pull out load
- All impact levels

Icelock Clutch 211 (no adapter)
- Push Button can be shortened
- Pin Tunnel creates space for Attachment Pin
- Attachment Pin slides easily into Icelock Clutch 214 (aluminium 4-hole adapter)
- Push Button can be shortened
- Rotation Control on Lam/Therm Ring



Part Number Information

ICELOCK 200 SERIES

Picture	Part#	Description	Ratings	Build Height	Weight
1	L-211000	Icelock 211 Clutch (no adapter)	N/A	21mm	78g
2	L-214000	Icelock 214 Clutch 4H	120kg	25mm	186g

Icelock® 200 Series

Part Number Information

LAMINATION PYRAMIDS FOR ICELOCK CLUTCH 211

Picture	Part#	Description	Ratings	Build Height	Weight
1	L-273000	Icelock 273 Stainless Steel Pyramid	100kg	8mm	64g
2	L-272000	Icelock 272 Titanium Pyramid	166kg	9mm	76g

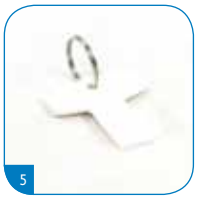
4-HOLE PYRAMIDS FOR ICELOCK CLUTCH 4H 214

Part#	Description	Weight limit
A-233100	4-Hole Male Pyramid, Aluminium	100kg
A-242100	4-Hole Female Pyramid, Aluminium	100kg
A-235100	4-Hole Male Pyramid, Titanium	166kg
A-245100	4-Hole Female Pyramid, Titanium	166kg

Components

FOR ICELOCK 211 AND 214

Picture	Part#	Description
1	L-292000	Attachment Pin Clutch, standard with cap, length 40mm, 12 notches
2	L-292003	Attachment Pin Clutch, short with cap, length 22mm, 7 notches
3	L-292005	Attachment Pin Clutch, long with cap, length 52mm, 17 notches
4	L-292020	Clutch Mechanism and T-wrench **NOW WITH EASY RELEASE**
5	L-293060	T-wrench
6	L-292131	Release Button



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Icelock® 200 Series

Components

FOR ICELOCK 211

Picture	Part#	Description
1	L-292015	Lock Body with guide (without Dummy Screw)
2	L-292122	Dummy Screw
3	L-292126	Delrin Guide
4	L-293045	Silicone Seal
5	L-292121	Pin Tunnel with O-ring
6	L-293046	O-ring 10 x 1.5 for Pin Tunnel
7	L-693127	O-ring 8 x 2 for Pyramid Bolt
8	L-292032	Pyramid Bolt, long with O-ring

FOR PYRAMIDS 272 AND 273

Picture	Part#	Description
1	L-293046	O-ring 10 x 1.5 for Pin Tunnel
2	L-692142	Pyramid Cap
3	L-292032	Pyramid Bolt, long with O-ring (for 272 Pyramid)
4	L-692032	Pyramid Bolt with O-ring (for 273 Pyramid)
5	L-293048	Silicone Fill for 272 Pyramid
6	L-293049	Silicone Fill for 273 Pyramid
7	L-693127	O-ring 8 x 2 for Pyramid Bolts

Icelock® 200 Series

Components

FOR ICELOCK 214

Picture	Part#	Description
1	L-292011	Lock Body 4-Hole with Guide (without clutch mechanism)
2	L-292040	Fabrication Kit (includes the five parts listed below)
3	L-292125	Lam/Therm Ring
4	L-292118	Delrin Tooling Body
5	L-292129	Delrin Tooling Screw
6	L-293041	Screw M6 x 20
7	L-293042	Screw M6 x 35

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Icelock® 300 Series

Introduction

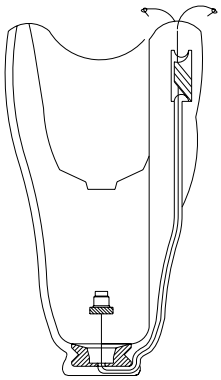
Lanyard locks without distal adapters
- Low build height
- Very lightweight
- Ideal for shower and water prostheses
- Low and moderate impact levels

Lanyard 331-L (no adapter)
- Specially designed for laminated sockets
- Silicone Dummy creates a tunnel in-between layers of laminate for the lanyard cord, for a neat cosmetic solution

Lanyard 331-T (no adapter)
- Specially designed for thermoplastic sockets

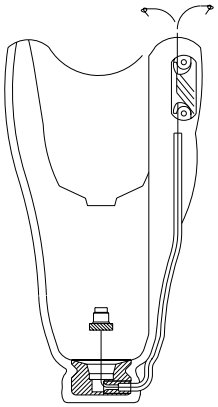
Icelock Lanyard 390 (no adapter)
- Lanyard kit with spindle locking device

Icelock Lanyard 331-L



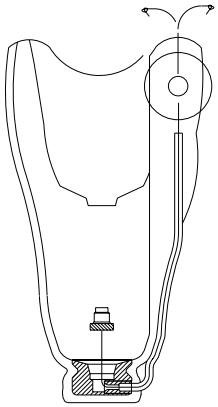
For Laminated sockets

Icelock Lanyard 331-T



For thermoplastic sockets

Icelock Lanyard 390



For laminated and thermoplastic sockets

Part Number Information

ICELOCK 300 SERIES

Picture	Part#	Description	Build Height	Weight
1	L-331001	Icelock Lanyard 331-L	12mm	22g
2	L-331002	Icelock Lanyard 331-T	14mm	42g
3	K-390000	Icelock Lanyard 390	25mm	52g

Icelock® 300 Series

Components

FOR L-331001

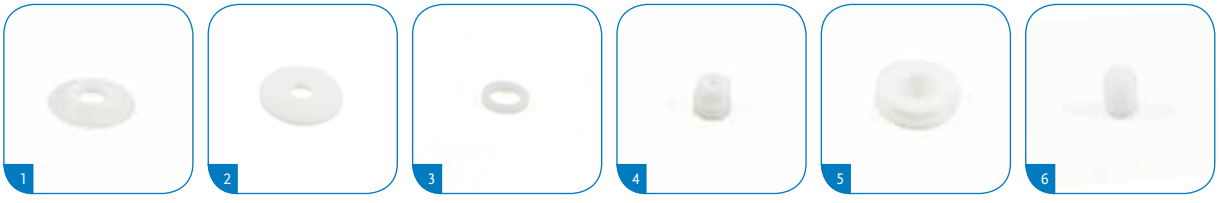
Picture	Part#	Description
1	L-392012	Cleat with silicone dummy
2	L-392016	Pull Handle, lanyard
3	L-392018	Lanyard Cord with connecting screw
4	L-392110	Bottom Attachment, lamination

FOR L-331002

Picture	Part#	Description
1	L-392010	Cleat with cover and rivets
2	L-393012	Cord Cover 40cm, lanyard
3	L-392016	Pull Handle, lanyard
4	L-392112	Bottom Attachment, thermoplastic
5	L-392122	Delrin Guide
6	L-393018	Screw 3.5 x 30mm

FOR K-390000

Picture	Part#	Description
1	K-390001	Spindle Adapter
2	K-390002	Nut
3	K-390003	Washer
4	K-390004	Bottom Attachment
5	K-390005	Distal Connector
6	K-390007	Spindle



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Icelock® 500 Series

Introduction

Expulsion Valve for transtibial and transfemoral applications. Recommended for use with Iceross Seal-In & Cushion liners.

Icelock Expulsion Valve 551
- Icelock 551 is an auto-expulsion valve recommended for both Transtibial and Transfemoral users.

Icelock Expulsion Valve 552
- Icelock 552 is an auto-expulsion valve recommended for Transfemoral users.
- The core of the valve can be unscrewed to facilitate rapid donning.

Part Number Information

ICELOCK 500 SERIES

Picture	Part#	Description
1	L-551002	Icelock Expulsion Valve 551
2	L-552000	Icelock Expulsion Valve 552

FOR ICELOCK 551

Part#	Description
L-551206	Icelock Replacement Membrane x5

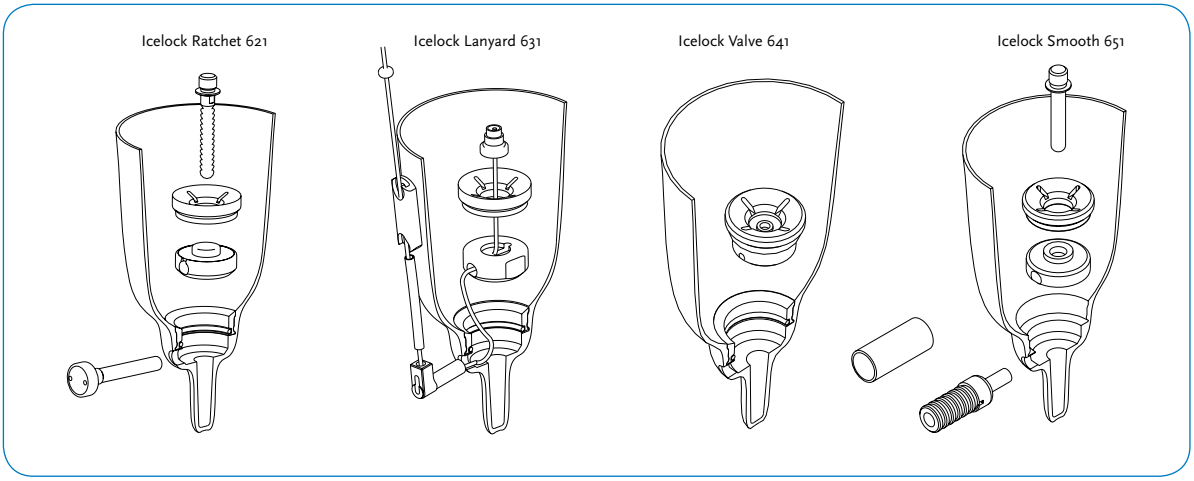
FOR ICELOCK 552

Part#	Description
L-552206	Icelock Replacement Membrane x5

Icelock® 600 Series

Introduction

- Extremely low build height
- Fabrication Tools make the fabrication process very effective
- Very strong and durable
- Socket Adapters rated up to 100kg and 166kg
- Easily interchangeable
- All impact levels
- Removable from the inside of the socket



Part Number Information

ICELOCK 600 SERIES

Picture	Part#	Description	Build Height	Weight
1	L-621000	Icelock 621 Ratchet (no adapter)	15mm	59g
2	L-631000	Icelock 631 Lanyard (no adapter)	15mm	49g
3	L-641000	Icelock 641 Valve (no adapter)	15mm	40g
4	L-651000	Icelock 651 Smooth (no adapter)	15mm	68g

Use with L-680000 Fabrication Tooling Kit

Picture	Part#	Description
5	L-680000	Icelock 680 Fabrication Tools (reusable)

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Icelock® 600 Series

Part Number Information

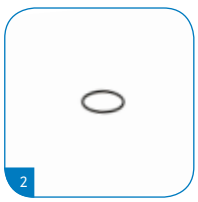
LAMINATION PYRAMIDS FOR ICELOCK 600

Picture	Part#	Description	Weight limit
1	L-672000	Icelock 672 Titanium Pyramid	166kg
2	L-673000	Icelock 673 Stainless Steel Pyramid	100kg
3	L-674000	Icelock 674 Aluminium 4-Hole	100kg
4	L-675000	Icelock 675 Titanium 4-Hole	166kg
5	L-692016	Release Key	

Components

FOR ICELOCK 621

Picture	Part#	Description
1	L-692022	Icelock 600 Fabrication Ring with O-ring and silicone ring
2	L-693125	O-ring 35 x 2.5mm for Fabrication Ring
3	L-692020	Ratchet Lock Body
4	L-692110	Funnel
5	L-692027	Release Unit, long
6	L-192000	Attachment Pin Ratchet, standard with cap, length 42mm, 13 notches
7	L-192003	Attachment Pin Ratchet, short with cap, length 22mm, 7 notches
8	L-192005	Attachment Pin Ratchet, long with cap, length 52mm, 17 notches
9	L-693112	Silicone Seal



Icelock® 600 Series

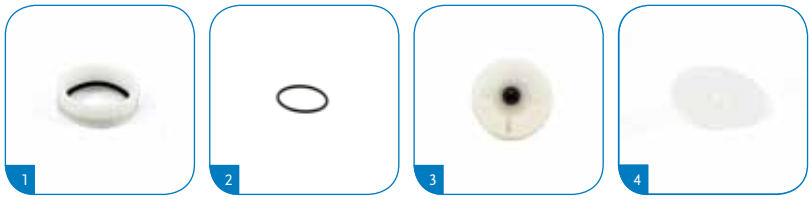
Components

FOR ICELOCK 631

Picture	Part#	Description
1	L-692022	Fabrication ring with O-ring and silicone ring
2	L-693125	O-ring 35 x 2.5mm for fabrication ring
3	L-692025	Bottom Attachment, lanyard
4	L-692110	Funnel
5	L-392018	Lanyard Cord with connecting screw
6	L-393012	Cord Cover 40cm
7	L-392010	Cleat with cover and rivets
8	L-392016	Pull Handle
9	L-693112	Silicone Seal
10	L-392117	Elbow lanyard

FOR ICELOCK 641

Part#	Description
L-692022	Fabrication ring with O-ring and silicone ring
L-693125	O-ring 35 x 2.5 for fabrication ring
L-641100	Expulsion Valve/Adaptation Kit 641
L-693112	Silicone Seal



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Icelock® 600 Series

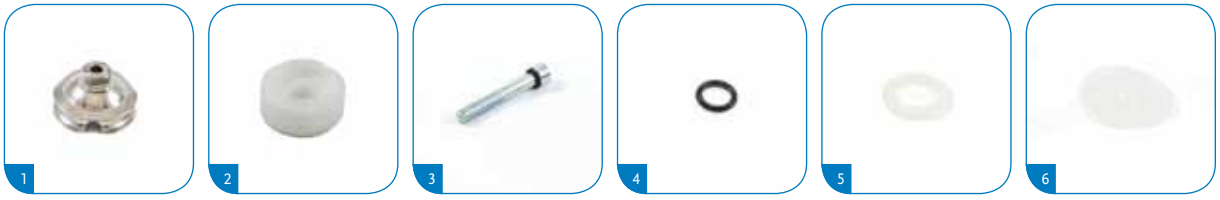
Components

FOR ICELOCK 651

Picture	Part#	Description
1	L-692022	Fabrication ring with O-ring and silicone ring
2	L-692110	Funnel
3	L-693506	Smooth Pin, 43mm
4	L-693507	Smooth Pin, standard 53mm
5	L-693508	Smooth Pin, 63mm
6	L-693509	Smooth Pin, 75mm
7	L-692505	Smooth Lock
8	L-693504	Protective sleeve for push button
9	L-692501	Release Unit
10	L-693502	Push Button
11	L-693503	Dust Cap
12	L-693112	Silicone Seal

FOR ICELOCK TITANIUM PYRAMID 672

Picture	Part#	Description
1	L-692135	Titanium Pyramid
2	L-692142	Pyramid Cap
3	L-692032	Pyramid Bolt with O-ring
4	L-693127	O-ring 8 x 2 for Pyramid Bolt
5	L-693115	Silicone Ring
6	L-693112	Silicone Seal

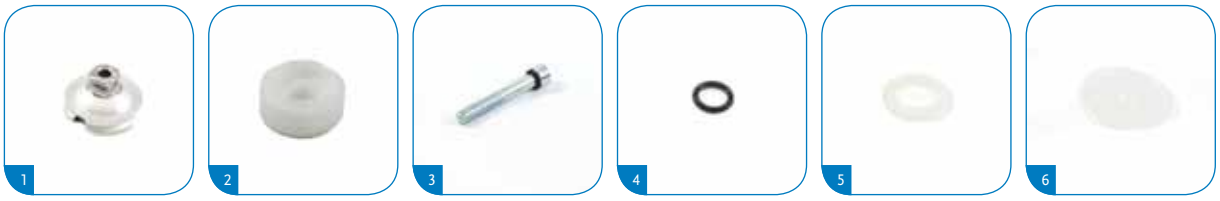


Icelock® 600 Series

Components

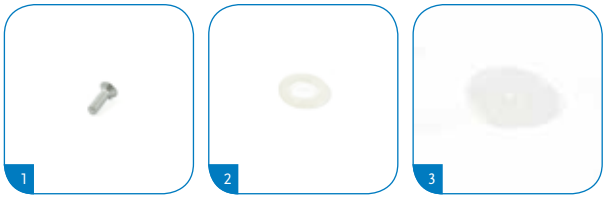
FOR ICELOCK STAINLESS STEEL PYRAMID 673

Picture	Part#	Description
1	L-692030	Stainless Steel Pyramid
2	L-692142	Pyramid Cap
3	L-692032	Pyramid Bolt with O-ring
4	L-693127	O-ring 8 x 2 for Pyramid Bolt
5	L-693115	Silicone Ring
6	L-693112	Silicone Seal



FOR ICELOCK ALUMINIUM PYRAMID 674

Picture	Part#	Description
1	L-293041	Screw M6 x 20mm
2	L-693115	Silicone Ring
3	L-693112	Silicone Seal



FOR ICELOCK TITANIUM PYRAMID 675

Picture	Part#	Description
1	L-693120	Screw M6 x 20mm
2	L-693115	Silicone Ring
3	L-693112	Silicone Seal

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Icelock® 600 Series

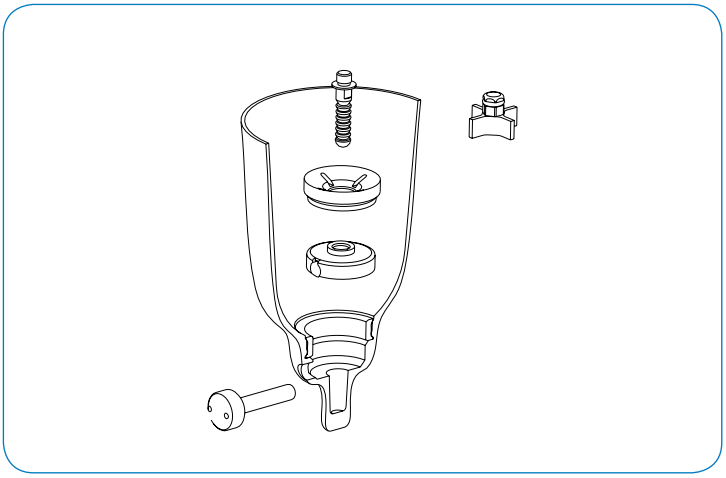
Components

FOR ICELOCK FABRICATION TOOLS 680 (ALL HARDENED STAINLESS STEEL)

Picture	Part#	Description
1	L-692010	Lock Dummy with O-ring
2	L-693127	O-ring 8 x 2mm for Lock Dummy
3	L-692119	Steel Guide
4	L-692120	Release Dummy, standard
5	L-692125	Release Dummy, long
6	L-692130	Pin Dummy, standard
7	L-692133	Pin Dummy, short
8	L-693110	Pin Dummy Bolt
9	L-692015	Hex Driver with O-ring
10	L-692017	Cross Driver with O-ring
11	L-693126	O-ring 4 x 2mm for Hex and Cross Drivers

Icelock® 700 Series

Introduction



Ratchet lock designed to be used in conjunction with Iceross Upper-X® and Iceross® Junior.

- Extremely low build height
- Very strong and durable
- Removable from inside of socket
- Reusable fabrication tools

The Attachment Pin features M6 threads that are unique for Iceross Upper-X and Junior.

Part Number Information

ICELOCK 700 SERIES

Picture	Part#	Description	Build Height	Weight
1	L-721000	Icelock 721 Ratchet, (no adapter)	13mm	20g
2	L-780000	Icelock Fabrication Tools 780, (reusable)		

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Icelock® 700 Series

Part Number Information

SPECIALLY DESIGNED PYRAMIDS FOR ICELOCK 700

Picture	Part#	Description	Weight limit
1	L-773000	Icelock 773 Stainless Pyramid	45kg
2	L-774000	Icelock 774 Aluminium 4-hole	45kg
3	L-792016	Release key to fit or remove the release unit	

Components

FOR RATCHET LOCK 721

Picture	Part#	Description
1	L-792150	Fabrication Ring, small
2	L-792020	Ratchet Lock without Adapter, small
3	L-792110	Funnel, small
4	L-792027	Release Unit, small
5	L-792031	Pin Adapter, M10/M6
6	L-792100	Attachment Pin Ratchet, 32mm
7	L-792105	Attachment Pin Ratchet, 56mm
8	L-793112	Silicone Seal, small

Icelock® 700 Series

Components

FOR FABRICATION TOOLING (ALL HARDENED STAINLESS STEEL)

Picture	Part#	Description
1	L-792119	Steel Guide, small
2	L-792010	Lock Dummy with O-ring, small
3	L-792120	Release Dummy, small
4	L-792130	Pin Dummy, small
5	L-793110	Pin Dummy Bolt, small
6	L-692015	Hex Driver with O-ring
7	L-792017	Cross Driver with O-ring, small

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Adapters

Introduction

For sockets, knees and feet, we make the strongest, lightweight adapters to help you assemble the best solution every time. Guaranteed to connect all Össur products.

Contents

Standard Adapters, Rated to 100kg 89
Standard Adapters, Rated to 166kg 92
Junior Adapters, Rated to 45kg 95
Total Shock™ 96

Össur Standard Adapters

Rated to 100kg

SOCKET ADAPTERS

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-122100	4-Hole Socket Adapter	Aluminium	18.5mm	18.5mm	70g
2	A-134300	Male Pyramid Insert	Stainless Steel	31mm	7.5mm	94g
3	A-144300	Female Pyramid Insert	Stainless Steel	23mm	14mm	38g
4	A-114040	4-Prong Socket Adapter (Rated to 166kg)	Titanium		8mm	154g
5	A-114030	3-Prong Socket Adapter (Rated to 166kg)	Titanium		8mm	124g

4-HOLE ADAPTERS

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-233100	4-Hole Male Pyramid, with screws	Aluminium/Stainless Steel	23.5mm	9mm	62g
2	A-242100	4-Hole Female Pyramid, with screws	Aluminium	16mm	16mm	46g

TUBE CLAMPS

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-333100	Male Pyramid Tube Clamp	Aluminium/Stainless Steel	56mm	41.5mm	62g
2	A-342100	Female Pyramid Tube Clamp	Aluminium	50mm	16mm	64g
3	A-322100	4-Hole Tube Clamp, with screws	Aluminium	38mm	4mm	52g

Össur Standard Adapters

Rated to 100kg

SINGLE ADAPTERS

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-433110	Male Single Adapter - Short	Aluminium/Stainless Steel	50mm	35.5mm	60g
2	A-433120	Male Single Adapter - Long	Aluminium/Stainless Steel	77mm*	63mm	86g
3	A-442100	Female Single Adapter	Aluminium	100mm**	100mm	86g

*Can be cut to 70mm
**Can be cut to 60mm

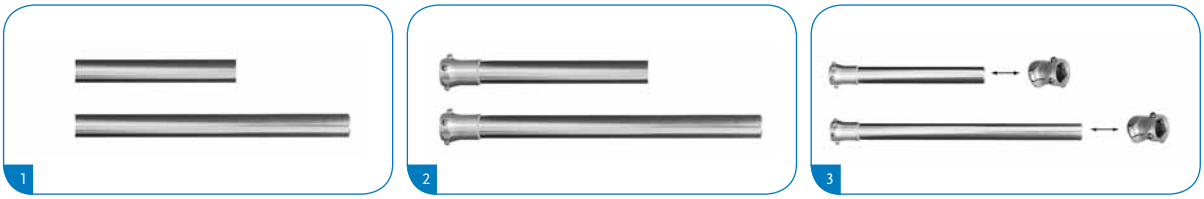
DOUBLE ADAPTER

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-542110	Female Double Adapter	Aluminium	32mm	32mm	66g
2	A-542120	Female Double Adapter	Aluminium	45mm	45mm	76g
3	A-542130	Female Double Adapter	Aluminium	60mm	60mm	88g
4	A-542140	Female Double Adapter	Aluminium	75mm	75mm	100g
5	A-533100	Male Double Adapter	Aluminium/Stainless Steel	41mm	12mm	84g

PYLONS AND TUBES

Picture	Part#	Description	Material	Length
1	A-712010	Tube - Short	Aluminium	250mm
1	A-712020	Tube - Long	Aluminium	400mm
2	A-742010	Female Pylon - Short	Aluminium/Stainless Steel	250mm
2	A-742020	Female Pylon - Long	Aluminium/Stainless Steel	400mm
3	A-762111	Female Pylon Kit 1- Short*	Aluminium/Stainless Steel	250mm
3	A-762121	Female Pylon Kit 1- Long*	Aluminium/Stainless Steel	400mm

*Tube and female pyramid adapter



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Össur Standard Adapters

Rated to 100kg

FOOT ADAPTER

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-833100	SACH Foot Adapter	Aluminium/Stainless Steel	25mm	9.5mm	105g

SHIFT ADAPTERS

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-642100	Fixed Offset Adapter - 14.5mm	Aluminium	75mm	34mm	172g
2	A-645210	Shift Adapter - Short	Titanium	60mm	60mm	208g

4-HOLE ADAPTERS

Picture	Part#	Description	Material	Height	Weight
1	A-242500	4-Hole Female Pyramid with 20/20 Offset	Aluminium	18mm	118g

Össur Standard Adapters

Rated to 166kg

SOCKET ADAPTERS

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-135100	Male Pyramid Socket Adapter	Titanium	23mm	8.5mm	58g
2	A-125100	4-Hole Socket Adapter	Titanium	18.5mm	18.5mm	112g
3	A-114040	4-Prong Socket Adapter	Titanium		8mm	154g
4	A-114030	3-Prong Socket Adapter	Titanium		8mm	124g
5	A-135300	Male Pyramid Insert Prong	Titanium	31mm	7.5mm	56g
6	A-145300	Female Pyramid Insert Prong	Titanium	23mm	14mm	53g
7	A-145310	Female Pyramid Insert Prong (for long residual limbs)	Titanium	9mm	9mm	33g

4-HOLE ADAPTERS, WITH SCREWS

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-235100	4-Hole Male Pyramid	Titanium	23mm	8.5mm	54g
2	A-235300	4-Hole Male Pyramid With Rotation	Titanium	25mm	10.5mm	72g
3	A-235400	4-Hole Male Pyramid With 8mm Offset	Titanium	23mm	8.5mm	65g
4	A-245100	4-Hole Female Pyramid	Titanium	15.5mm	15.5mm	64g
5	A-245300	4-Hole Female Pyramid With Rotation	Titanium	17.5mm	17.5mm	76g

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Össur Standard Adapters

Rated to 166kg

TUBE CLAMPS

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-325100	4-Hole Tube Clamp, with screws	Titanium	38mm	2mm	68g
2	A-335100	Male Pyramid Tube Clamp	Titanium	56mm	5.5mm	82g
3	A-345100	Female Pyramid Tube Clamp	Titanium	50mm	14mm	78g

SINGLE ADAPTERS

Picture	Part#	Description	Material	Length	Build Ht.	Weight
1	A-435110	Male Single Adapter - Short	Titanium	50mm	35.5mm	80g
2	A-435120	Male Single Adapter - Long	Titanium	77mm	63mm	103g
3	A-445100	Female Single Adapter	Titanium	100mm	100mm	118g

DOUBLE ADAPTERS

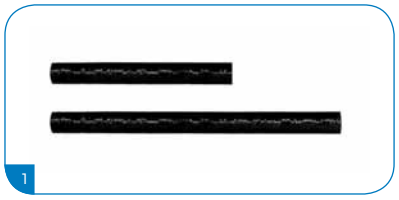
Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-545110	Female Double Adapter	Titanium	32mm	32mm	90g
2	A-545120	Female Double Adapter	Titanium	45mm	45mm	102g
3	A-545130	Female Double Adapter	Titanium	60mm	60mm	119g
4	A-545140	Female Double Adapter	Titanium	75mm	75mm	135g
5	A-535100	Male Double Adapter	Titanium	41mm	12mm	98g

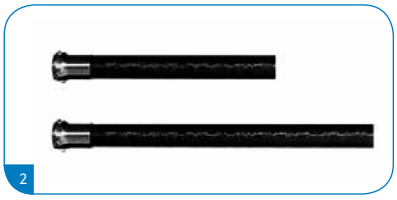
Össur Standard Adapters

Rated to 166kg

PYLONS AND TUBES

Picture	Part#	Description	Material	Length
1	A-717010	Tube - Short	Carbon	250mm
1	A-717020	Tube - Long	Carbon	400mm
2	A-746010	Female Pylon - Short	Titanium/Carbon	250mm
2	A-746020	Female Pylon - Long	Titanium/Carbon	400mm

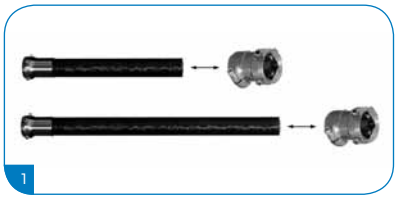


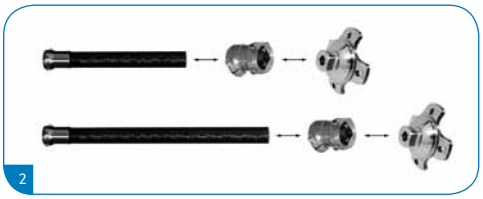


PYLONS AND TUBES

Picture	Part#	Description	Material	Length
1	A-766111	Female Pylon Kit 1 - Short*	Titanium/Carbon	250mm
1	A-766121	Female Pylon Kit 1 - Long*	Titanium/Carbon	400mm
2	A-766112	Female Pylon Kit 2 - Short**	Carbon	250mm
2	A-766122	Female Pylon Kit 2 - Long**	Carbon	400mm
3	A-718009	Tube Insert for Category 7-9	Delrin	70mm

*Kit contains Female Pylon & Female Tube Clamp. **Also contains 4-Prong Male Socket Adapter.





FOOT ADAPTER

Picture	Part#	Description	Material	Height	Build Ht.	Weight
1	A-835100	SACH Foot Adapter	Titanium	25mm	9.5mm	110g

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Össur Junior Adapters

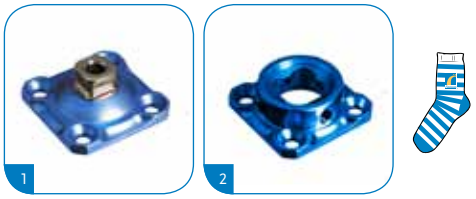
Rated to 45kg

SOCKET ADAPTERS

Picture	Part#	Description	Material	Build Ht.	Weight
1	AJ-114040	4-Prong Socket Adapter	Stainless Steel	9.5mm	79g
2	AJ-122100	4-Hole Socket Adapter	Aluminium	14mm	46g
3	AJ-133300	Male Pyramid Insert for Prong	Aluminium	5.5mm	36g
4	AJ-142300	Female Pyramid Insert for Prong	Stainless Steel	12mm	36g

4-HOLE ADAPTERS, WITH SCREWS

Picture	Part#	Description	Material	Build Ht.	Weight
1	AJ-233100	4-Hole Male Pyramid	Aluminium/Stainless Steel	6mm	39g
2	AJ-242100	4-Hole Female Pyramid	Aluminium	14mm	34g



TUBE CLAMPS AND FOOT ADAPTERS

Picture	Part#	Description	Material	Build Ht.	Weight
1	AJ-342100	Female Pyramid Tube Clamp	Aluminium	14mm	48g
2	1158	4-Hole Tube Clamp, with screws	Aluminium		56g
3	AJ-833100	SACH Foot Adapter	Aluminium/Stainless Steel	6mm	54g

TUBES

Picture	Part#	Description	Material	Length	Weight
1	AJ-712010	Tube Junior, 22mm	Aluminium	250mm	104g

Total Shock™

Introduction

- Vertical compression and axial rotation (10° each direction)
- Independent adjustments of compression and rotation
- Female Pyramid or tube clamp distal adapters
- Maximum patient weight 100kg

Kits

Picture	Part#	Weight limit	Height	Weight
1	4400	100kg	139mm	270g
2	4410	100kg	145mm	300g

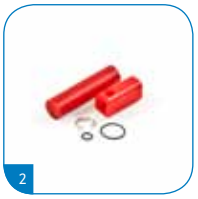
Includes
- Shock
- Lubricant
- Rods

Components

ROD KIT

Picture	Part#	Colour	Stiffness
1	4402	Black	Normal
2	4403	Red	Firm
3	4404	Yellow	X-Firm
4	4405	Orange	XX-Firm

Includes
- Vertical Compression Rod
- Rotation Rod
- O-rings
- Retaining Ring



Vertical Compression Rods Part#	Rotation Rods Part#	Colour	Stiffness
4402-V	4402-R	Black	Normal
4403-V	4403-R	Red	Firm
4404-V	4404-R	Yellow	X-Firm
4405-V	4405-R	Orange	XX-Firm

Part#	Description
4400-013	Seal for Total Shock Housing
4401	Centra Lube™ Oil
4401-G	Centra Lube™ Grease*

* Use only when Total Shock is used “upside-down” (opposite to illustrations above)
All Total Shock units are lubricated with Centra Lube Oil.
Note: Never mix oil and grease.

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Knees

Introduction

Total Knee®
The uniqueness of the Total Knee is in the "locking moment", which keeps the knee stable when extended. Its polycentric design imitates natural knee motion, while the adjustable stance-flex bumper acts as a shock absorber, simulating the flexing action that occurs in the normal knee while walking or running.

Balance™ Knee
At the start of the rehabilitation process, most transfemoral amputees require maximum stability. Later, as they gain confidence, the goal is to recover a more natural gait. That's why Össur's latest mechanical knee can be easily adjusted to optimise the required balance between stability and walking dynamics for each individual.

Simple to fit and adjust, the Balance Knee is the ideal companion on the road to rehabilitation for the less active user with limited voluntary control.

Mauch® Knee
Mauch's progressively designed hydraulic systems provide amputees with a less strenuous and more controlled means of ambulation on varied terrains and in sports activities. From running, to walking step over step down stairs, Mauch offers a smooth natural gait and a high level of flexibility for more active lifestyles.

Product Overview

Contents

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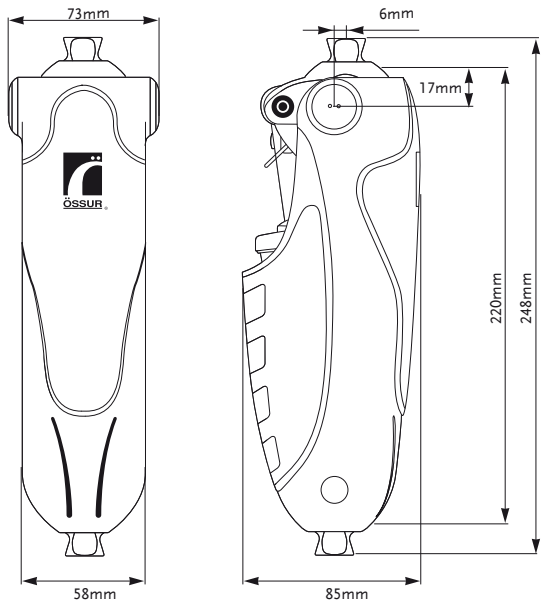
Mauch® Knee Plus 101
Balance™ Knee 103
Total Knee® 1900 104
Total Knee® 2000 107
Total Knee® 2100 110
Total Knee® Junior 113

Mauch® Knee

Introduction

- Single axis hydraulic knee system with swing and stance control (SNS®)
- Designed for multi-speed ambulation
- Increased durability and more secure motion
- Well suited for low to high activity users
- Flexion Stop at 115°
- Ultra durable aluminium frame
- Weight limit of 136kg
- Roller bearings at knee axis and cylinder attachment points for smooth action
- Low resistance knee kits and swing only knee kits are available by special order
- Yielding stance control
- Mode selector switch allows manual locking and free swing functions
- Smooth profile assists with cosmetic finishing
- Weight of unit is 1140g

Dimensions



Mauch® Knee

Kits

Part#	Description
MKN01360	Mauch Knee kit SNS
MKN01361	Mauch Knee kit SNS - Low Resistance (Special Order)
MKN01362	Mauch Knee kit Swing Only (Special Order)
MKN01363	Mauch Knee kit SNS - High Stance Resistance

Components

Picture	Part#	Description
1	MKA01361	Knee Ball, Screw
2	MKA01362	Front Cover
3	MKA01363	Rear Cover
4	MKA01364	Side Plug
	MKA01365	Soft Extension Stop
	MKA01366	Hard Extension Stop

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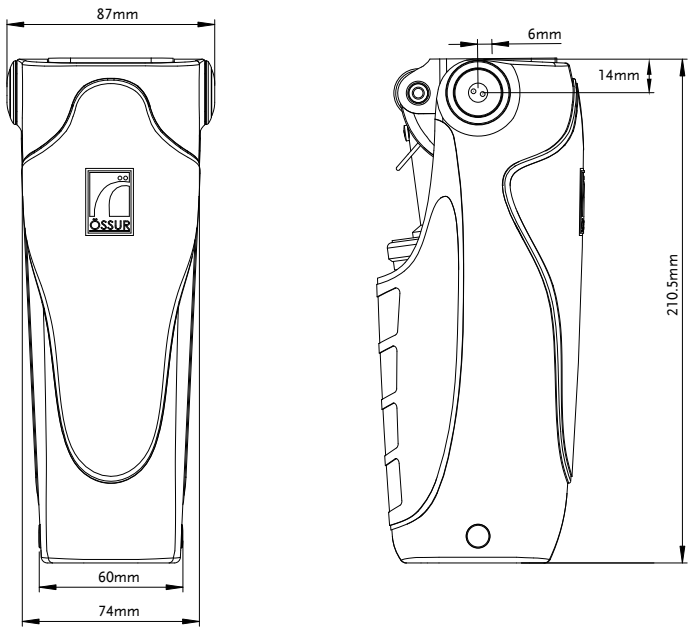
Mauch® Knee Plus

Introduction

- Single axis hydraulic knee system with swing and stance control (SNS®)
- Designed for multi-speed ambulation
- Yielding stance control
- Mode selector switch allows manual locking and free swing functions
- Ultra durable aluminium frame
- Increased durability and more secure motion
- Well suited for low to high activity users
- Weight limit of 166kg
- Flexion Stop at 125°
- Roller bearings at knee axis and cylinder attachment points for smooth action
- Low resistance knee kits and swing only knee kits are available by special order
- Universal 4-hole mounting patterns for versatile adapter options
- Option for through hole or threaded hole top bracket
- Weight of unit is 1210g

Clearance



Mauch® Knee Plus

Kits

Part#	Description
MKN01660	Mauch Knee Plus kit SNS
MKN01661	Mauch Knee Plus kit SNS - Low Resistance (Special Order)
MKN01662	Mauch Knee Plus kit Swing Only (Special Order)
MKN01663	Mauch Knee Plus kit SNS - Through Hole (Special Order)
MKN01664	Mauch Knee Plus kit SNS - Low Resistance - Through Hole (Special Order)
MKN01665	Mauch Knee Plus kit Swing Only - Through Hole (Special Order)
MKN01666	Mauch Knee Plus kit SNS - High Stance Resistance
MKN01667	Mauch Knee Plus kit SNS - High Stance Resistance - Through Hole (Special Order)

Components

Picture	Part#	Description
1	MKA01661	Knee Ball, Screw
2	MKA01662	Front Cover
3	MKA01663	Rear Cover
4	MKA01664	Side Plug
	MKA01365	Soft Extension Stop
	MKA01366	Hard Extension Stop

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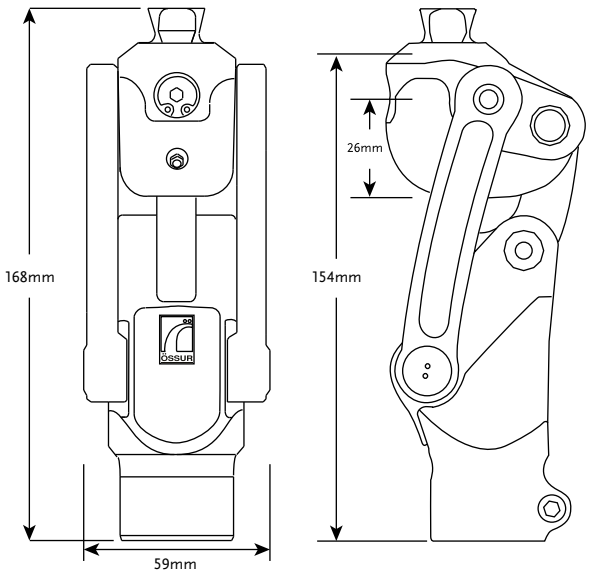
Balance™ Knee NEW

Introduction

- Offers security and stability through a four-bar geometry.
- Designed to optimise the balance between knee stability and dynamic behaviour for each user.
- Adjustable extension assist and constant friction allowing a very easy setup and adjustment of the knee
- All adjustment features accessible without prosthesis disassembly.
- The polycentric geometry provides mid-swing shortening
- Designed for household and limited community ambulators, single slow speed ambulators, low impact users and low voluntary control users
- Weight limit 125kg
- Flexion Stop at 180°
- Weight of unit is 590g



Kits

Part#	Description
BKN12500	Balance Knee*

*Includes Shin Ferrule

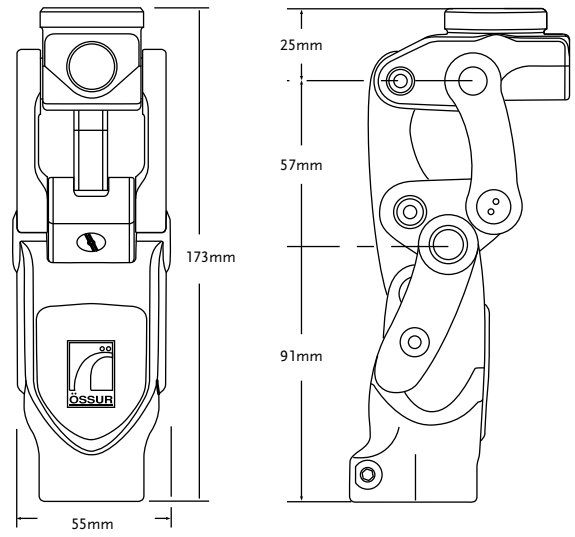
Cosmetic Finishing

Part#	Description
BKN12550	Shin Ferrule for Balance Knee

Total Knee® 1900

Introduction

- Polycentric knee with geometric locking system
- Unique swing phase control through use of friction within an elastic polymer medium
- Used for single speed ambulation
- Activity level: Low
- Weight limit 100kg
- Adjustable stance flexion
- Adjustable extension promoter
- Weight of unit 620g
- 160° of knee flexion available

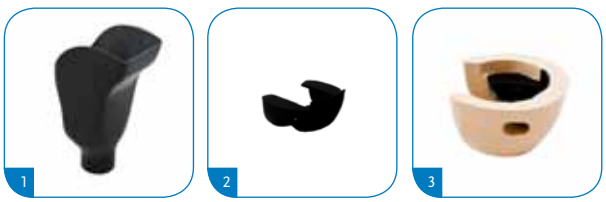


Kits

Part#	Description
1900	Total Knee 1900

Cosmetic Finishing

Picture	Part#	Description
1	2047	Shin ferrule, black
2	2052	Knee Cap, small, black
3	2053	Knee Cap, large, beige



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Total Knee® 1900

Components

BUMPER SELECTION CHART

Colour	Durometer	Patient Weight
Green	Soft	Approx. 35-50kg
Black	Regular	Approx. 50-70kg
Red	Firm	Approx. 70-90kg
Yellow	Extra firm	Approx. 90-100kg

Note: The knee comes with the red bumper installed.

BUMPER KIT*

Part#	Description
2000-Kit	A complete set of bumpers and shims

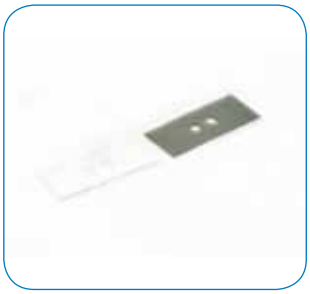
Includes
- 1 Bumper of each durometer
- 1 Shim 0.38mm
- 1 Shim 0.76mm

BUMPER*

Part#	Description
2000-204G	Bumper - Green, soft durometer
2000-204B	Bumper - Black, regular durometer
2000-204R	Bumper - Red, firm durometer
2000-204Y	Bumper - Yellow, extra firm durometer

SHIMS*

Part#	Description
2000-205A	0.38mm Plastic Shim
2000-205B	0.76mm Plastic Shim



*For units with serial numbers 8000 and higher

EXTENSION PROMOTER

Part#	Description
1905	Assists in limiting heel rise and moving the knee into a fully extended position

EXTENSION ASSIST

Part#	Description
2070S	Fully assembled Extension Assist with yellow (Regular) spring inserted

Includes
- Blue Spring (Firm)
- Red Spring (Extra Firm)

Total Knee® 1900

Components

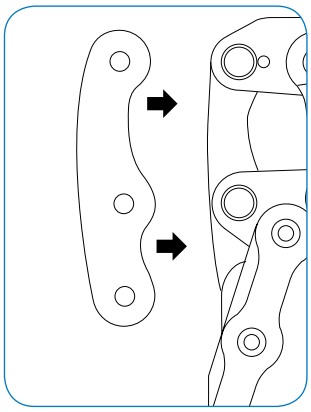
EXTENSION PROMOTER

Part#	Description
1905	Assists in limiting heel rise and moving the knee into a fully extended position

BACK LINK (POSTERIOR LINKAGE)

Part#	Description
1900-SSB	A high load back link can be factory fitted to the Total Knee 1900.

Note: There is an additional charge for these special back links.



TOTAL KNEE ADAPTERS

Picture	Part#	Description	Material	Weight limit	Weight
1	A-834300	Male Pyramid Adapter	Aluminium	100kg	83g
2	A-845300	Female Pyramid Adapter	Titanium	166kg	75g
3	A-122300	4-Hole Adapter	Aluminium	125kg	65g
4	A-835300	Male Pyramid Adapter	Titanium	166kg	83g

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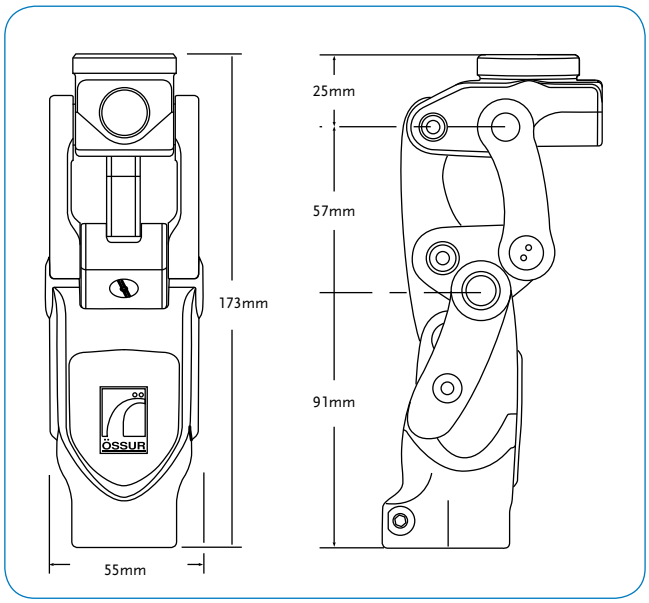
Total Knee® 2000

Introduction

- Polycentric knee with geometric locking system
- Swing control adjustments through 3-phase and 3-valve hydraulic system
- Used for multi-speed ambulation
- Activity level: moderate
- Weight limit 100kg
- Adjustable stance flexion
- Weight of unit 690g
- 160° of knee flexion available



Kits

Part#	Description
2000	Total Knee 2000

Cosmetic Finishing

Picture	Part#	Description
1	2047	Shin ferrule, black
2	2052	Knee Cap, small, black
3	2053	Knee Cap, large, beige

Total Knee® 2000

Components

BUMPER SELECTION CHART

Colour	Durometer	Patient Weight kg
Green	Soft	Approx. 35-50kg
Black	Regular	Approx. 50-70kg
Red	Firm	Approx. 70-90kg
Yellow	Extra firm	Approx. 90-100kg

Note: The product comes with the red bumper installed.

BUMPER KIT*

Part#	Description
2000-Kit	A complete set of bumpers and shims

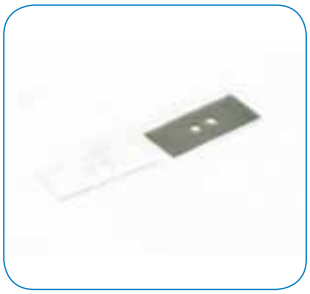
Includes
- 1 Bumper of each durometer
- 1 Shim 0.38mm
- 1 Shim 0.76mm

BUMPER*

Part#	Description
2000-204G	Bumper - Green, soft durometer
2000-204B	Bumper - Black, regular durometer
2000-204R	Bumper - Red, firm durometer
2000-204Y	Bumper - Yellow, extra firm durometer

SHIMS*

Part#	Description
2000-205A	0.38mm Plastic Shim
2000-205B	0.76mm Plastic Shim



*For units with serial numbers 14000 and higher

EXTENSION ASSIST

Part#	Description
2070S	Fully assembled Extension Assist with yellow (Regular) spring inserted

Includes
- Blue Spring (Firm)
- Red Spring (Extra Firm)

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Total Knee® 2000

Components

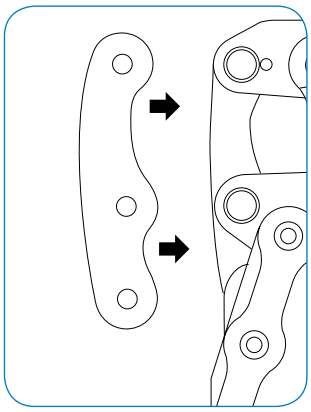
EXTENSION PROMOTER

Part#	Description
1905	Assists in limiting heel rise and moving the knee into a fully extended position

BACK LINK (POSTERIOR LINKAGE)

Part#	Description
2000-SSB	A high load back link can be factory fitted to the Total Knee 2000.

Note: There is an additional charge for these special back links.



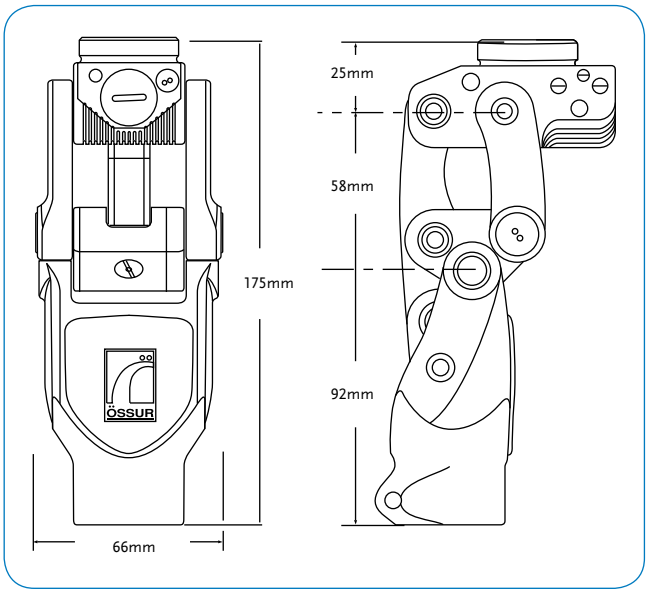
TOTAL KNEE ADAPTERS

Picture	Part#	Description	Material	Weight limit	Weight
1	A-834300	Male Pyramid Adapter	Aluminium	100kg	83g
2	A-845300	Female Pyramid Adapter	Titanium	166kg	75g
3	A-122300	4-Hole Adapter, with screws	Aluminium	125kg	65g
4	A-835300	Male Pyramid Adapter	Titanium	166kg	83g

Total Knee® 2100

Introduction

- Polycentric knee designed for multi-speed ambulation, higher impact levels and heavier loads
- Activity level: moderate to high
- 25% increased fluid capacity over 2000 model and cooling fins for greater reliability
- Geometric locking system
- 30mm pylon adaptability
- Weight limit 125kg
- Adjustable stance flexion
- Adjustable extension promoter
- Weight of unit 920g
- 160° of knee flexion available



Kits

Part#	Description
2100	Total Knee 2100

Cosmetic Finishing

Picture	Part#	Description
1	2145	Shin ferrule, black
2	2150	Knee Cap, small, black
3	2151	Knee Cap, large, beige

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Total Knee® 2100

Components

BUMPER SELECTION CHART

Colour	Durometer	Patient Weight kg
Black	Soft	Approx. 50-70kg
Red	Regular	Approx. 70-90kg
Yellow	Firm	Approx. 90-110kg
Orange	Extra firm	Approx. 110-125kg

BUMPER KIT

Part#	Description
2100-Kit	A complete set of bumpers and shims

Includes
- 1 Bumper of each durometer
- 1 Shim 0.38mm
- 1 Shim 0.76mm

BUMPER

Part#	Description
2100-317B	Bumper - Black, soft durometer
2100-317R	Bumper - Red, regular durometer
2100-317Y	Bumper - Yellow, firm durometer
2100-317O	Bumper - Orange, extra firm durometer

SHIMS

Part#	Description
2100-312A	0.38mm Plastic Shim
2100-312B	0.76mm Plastic Shim

EXTENSION ASSIST

Part#	Description
2070S	Fully assembled Extension Assist with yellow (Regular) spring inserted

Includes
- Blue Spring (Firm)
- Red Spring (Extra Firm)

EXTENSION PROMOTER

Part#	Description
1905	Assists in limiting heel rise and moving the knee into a fully extended position

Total Knee® 2100

Components

GREASE GUN

Part#	Description
2105	Grease for Total Knee 2100

TOTAL KNEE ADAPTERS

Picture	Part#	Description	Material	Weight limit	Weight
1	A-834300	Male Pyramid Adapter	Aluminium	100kg	83g
2	A-845300	Female Pyramid Adapter	Titanium	166kg	75g
3	A-122300	4-Hole Adapter, with screws	Aluminium	125kg	65g
4	A-835300	Male Pyramid Adapter	Titanium	166kg	83g

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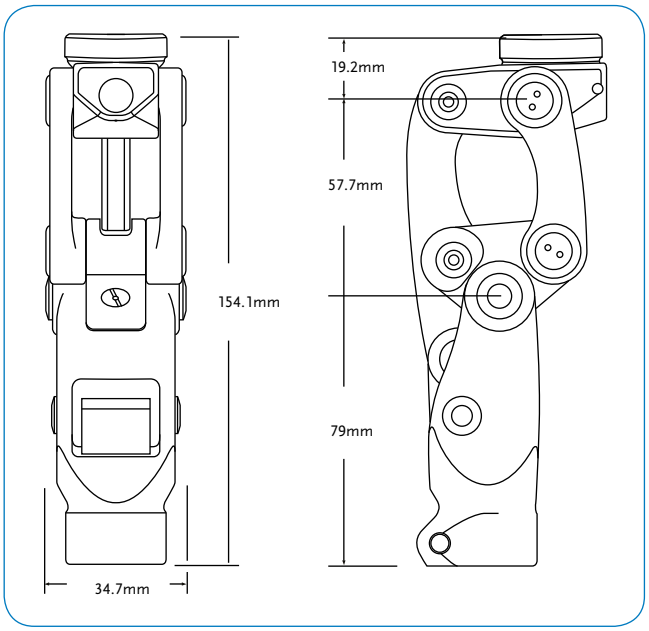
Total Knee® Junior

Introduction

- Paediatric polycentric knee with geometric locking system
- Weight limit 45kg
- Adjustable stance flexion feature
- Adjustable extension promoter
- 160° of knee flexion available
- Weight of unit 380g

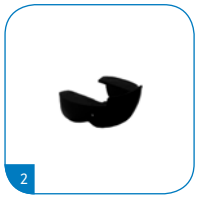


Kits

Part#	Description
1100	Total Knee Junior

Cosmetic Finishing

Picture	Part#	Description
1	1145	Shin ferrule, black
2	1150	Knee Cap, small, black
3	1151	Knee Cap, large, beige



Total Knee® Junior

Components

BUMPER SELECTION CHART

Colour	Durometer	Patient Weight kg
Green	Soft	Approx. 14-20kg
Black	Regular	Approx. 20-29kg
Red	Firm	Approx. 29-36kg
Yellow	Extra Firm	Approx. 36-45kg

BUMPER KIT

Part#	Description
1100-Kit	A complete set of bumpers and shims

Includes
- 1 Bumper of each durometer
- 1 Shim 0.38mm
- 1 Shim 0.76mm

BUMPER

Part#	Description
1100-119G	Bumper - Green, soft durometer
1100-119B	Bumper - Black, regular durometer
1100-119R	Bumper - Red, firm durometer
1100-119Y	Bumper - Yellow, extra firm durometer

SHIMS

Part#	Description
1100-121A	0.38mm Plastic Shim
1100-121B	0.76mm Plastic Shim

EXTENSION ASSIST

Part#	Description
1170	Fully assembled Extension Assist with yellow spring inserted, blue spring included

EXTENSION PROMOTER

Part#	Description
1105-A	Assists in limiting heel rise and moving the knee into a fully extended position

TOTAL KNEE JUNIOR ADAPTERS

Picture	Part#	Description	Material	Weight
1	AJ-831300	Paediatric Pyramid Adapter (Rated to 45kg)	Titanium/Aluminium	41g
2	AJ-122300	Paediatric 4-Hole Adapter, with screws	Aluminium	36g

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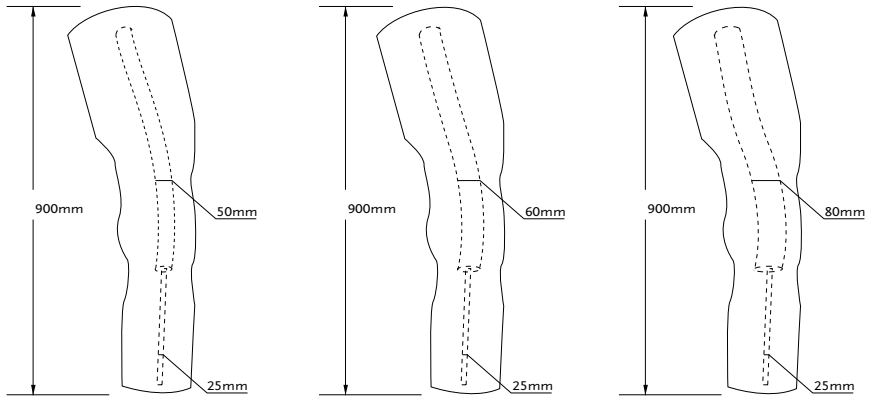
Cosmetic Finishing (not for Junior)

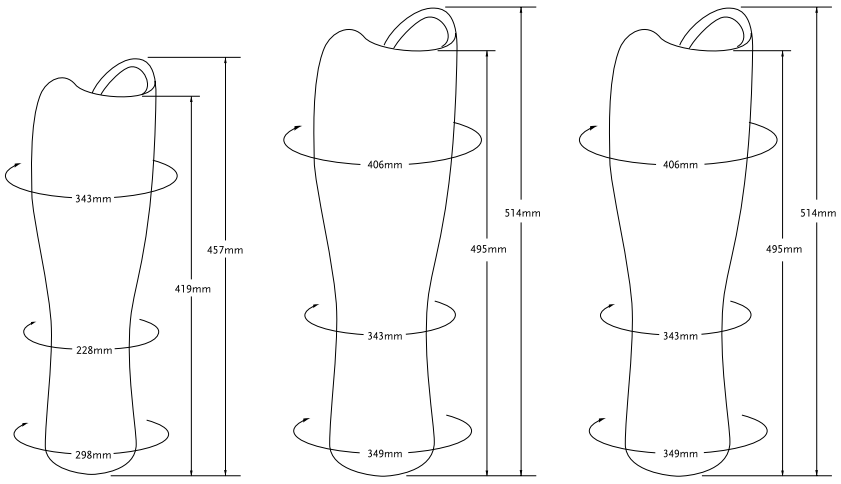


1 2 3

CONTINUOUS COSMETIC FOAM

Picture	Part#	Bore Size
1	C-880877	50-25
2	C-880878	60-25
3	C-880879	80-25

- Designed to fit left or right
- Open Cell Polyethylene Foam (60g)
- Fire retarded



1 2 3

DISCONTINUOUS COSMETIC FOAM

Picture	Part#	Description
1	2075R	Cosmetic Foam Cover, Regular - for use with Total Knee 1900 and 2000
2	2075L	Cosmetic Foam Cover, Large - for use with Total Knee 1900 and 2000
3	2175L	Cosmetic Foam Cover, High activity, Large - for use with Total Knee 2000 and 2100

- Beige toned
- Designed to fit over Total Knee® Range
- Designed to fit left or right
- Internally shaped to accommodate knee cap, shin ferrule and 30mm tube
- Fire retarded

Cosmetic Finishing

SINGLE DENSITY SHIN FAIRING BLOCK

Part#	Size
C-860977	One Size

- Closed Cell Polyethylene Foam (25g)
- Fire retarded

DUAL DENSITY SHIN FAIRING BLOCK

Part#	Size
FCX0002	One Size

- Flexible section at ankle
- Fire retarded

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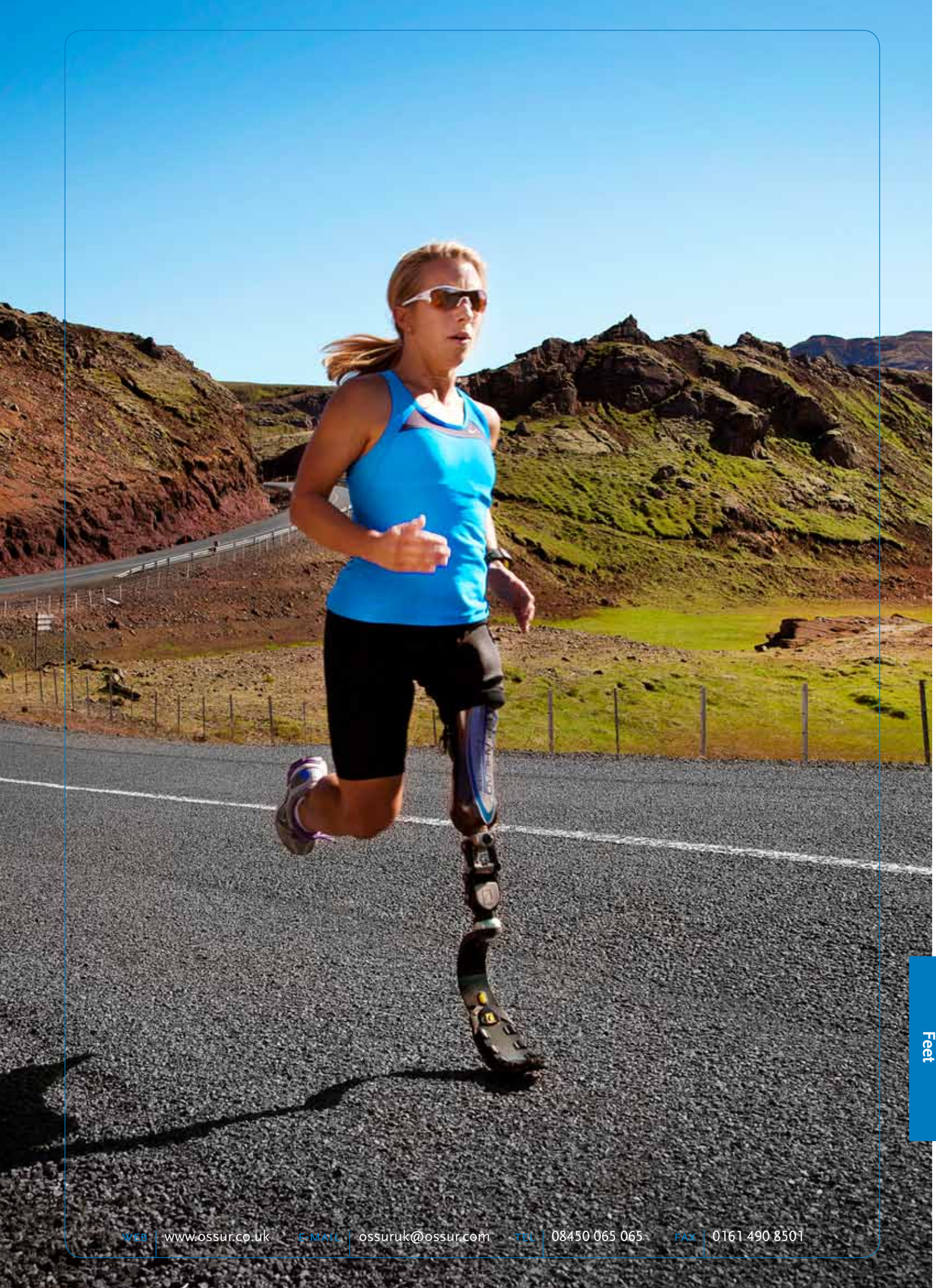

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Feet

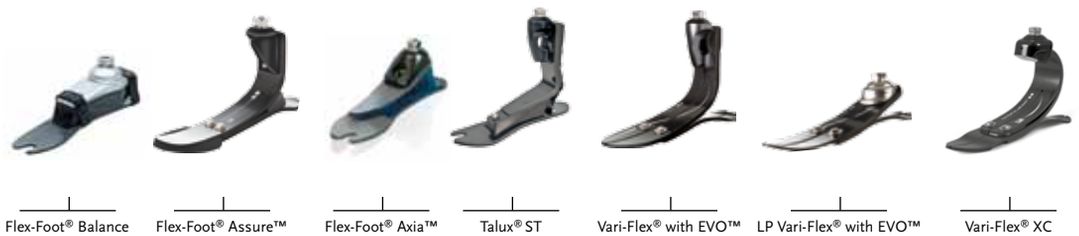
Introduction

Flex-Foot® was first introduced in 1984 by prosthetic user, inventor and research prosthetist Van Phillips. Three critical breakthroughs made this product unique and revolutionised the everyday aspirations of amputees:

- The first, energy storage and release, is a function inherent in the patented carbon fibre design of Flex-Foot.
- The second, Active Tibial Progression transfers the stored energy from heel contact and initial loading into forward propulsion towards toe off and swing phase.
- The third, vertical shock absorption, enables a more natural gait and protects the sound limb and remaining joints of the amputated limb from excessive shock.

Today, different functions are available within the Flex-Foot range to suit individual needs. All models offer significant advantages over conventional prosthetic feet. More than 25 years of scientific material research have led to this unparalleled design, making Flex-Foot the ideal choice for durability, comfort and performance.

Product Overview



Flex-Foot® Balance | Flex-Foot® Assure™ | Flex-Foot® Axia™ | Talux® ST | Vari-Flex® with EVO™ | LP Vari-Flex® with EVO™ | Vari-Flex® XC

Re-Flex Rotate™ with EVO™ | LP Rotate™ with EVO™ | Modular III™ | Re-Flex Shock™ with EVO™

Elation® | Flex-Symes™ | Flex-Foot® Junior | Chopart™ | Flex-Run™ with Nike Sole | Flex-Run™ Junior | Flex-Sprint™ | Cheetah®

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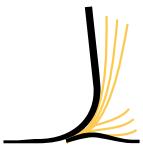
Flex-Foot®

Product Characteristics

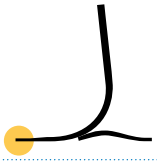
PROPORTIONAL RESPONSE
The layering of carbon fibre, optimised through extensive computer analysis and mechanical testing, ensures that the deflection of the forefoot from mid-stance to toe-off is proportional to the user's weight and impact level.
Benefit: Reduced fatigue by energy-efficient walking

CARBONX® ACTIVE HEEL
The CarbonX Active Heel absorbs the energy created during initial contact through the loading response as the amputee transfers his or her body weight onto the prosthetic foot in the early stance phase.
Benefit: Comfort and protection by active shock absorption

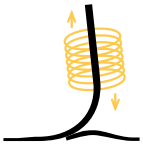


ACTIVE TIBIAL PROGRESSION
Vertical forces generated at heel contact are stored and translated into a linear motion described as Active Tibial Progression, from the foot-flat to toe-off phase. This action reduces the need to actively push the body forward using the contralateral foot and also equalises stride length. The foot's unique design and technology produces all movement; there are no mechanical joints.
Benefit: Normal gait through natural mobility

FULL LENGTH TOE LEVER
The full length toe lever matches the length of the sound foot, giving a smoother, more natural gait. It also ensures that users spend equal time on the prosthetic and natural limb.
Benefit: Stability and security in stance phase

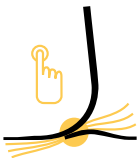


VERTICAL SHOCK PYLON
The vertical shock pylon reduces trauma to the residual limb, joints and lower back during daily activities. It also ensures a more energy-efficient gait by minimising vertical displacement of the centre of gravity.
Benefit: Protection of joints, the spine and residual limb by reduction of the shock loading

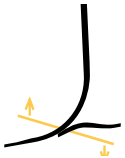


ROTATION
Torsion/rotation is a key factor in the human gait. The trunk rotation affects every joint in the lower limbs. If joints are missing, or the rotation is limited by an interface (socket), natural gait is compromised. The full range torsion/rotation brings the prosthetic user much closer to this all-important natural gait and is also very comfortable.
Benefit: Residual limb and joint protection by natural freedom of movement

HEEL HEIGHT ADJUSTABILITY
Heel height can be adjusted for various types of shoes to ensure correct alignment. Users can easily change shoes to fit most occasions as the heel height can be adjusted within the given range.
Benefits: Adjustable heel height allows correct alignment of the prosthesis for a variety of shoewear and therefore decreases the load on the body and the contralateral limb resulting from misalignment.



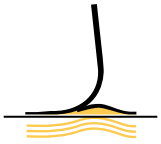
MULTI-AXIAL GROUND COMPLIANCE
Multi-axial compliance of the foot provides improved ground contact during ambulation on uneven surfaces.
Benefit: Improved stability in stance.



SPLIT TOE
A split toe feature allows the foot to adjust to the surface below, allowing amputees to walk naturally on uneven ground.
Benefit: Provides stability on uneven ground

SANDAL TOE
Feet designed with a sandal toe are used with an anatomically correct foot cover with a sandal toe.
Benefits: Sandal toe is cosmetically appealing, making the foot particularly suitable for sandal type shoes.

EVO
Energy Vector Optimisation utilises the unique integration between the foot module and foot cover.
Benefit: Optimised energy transfer during stance phase resulting in a fluid roll-over and smoother gait for amputees.



Flex-Foot® Balance

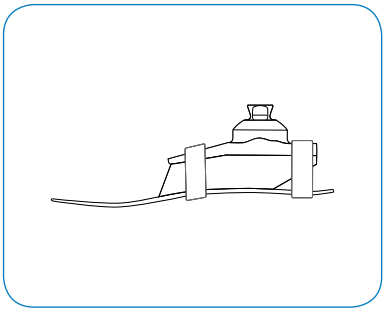
Introduction

- Flex-Foot Balance is a comfortable multiaxial foot that combines proven durability and stability with comfort leading to optimum patient compliance for low activity amputees.
- The full length toe lever and integrated multiaxial design offer a smooth transition from heel strike to toe-off. This means added comfort and relief for those that may be struggling with dysvascular complications.

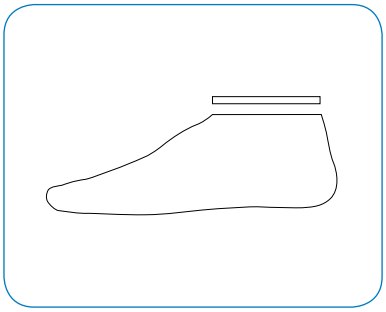
USER INFORMATION	
Maximum Patient Weight	136kg
Impact Level	Low
FOOT INFORMATION	
Categories NEW	0-5
Sizes	21-28cm
Weight of the standard foot module (Size 27, Cat 3) with male pyramid and foot cover	490g
Features	

Full toe lever | Multi-axial | Sandal toe

Flex-Foot Balance with Male Pyramid



Flex-Foot Balance kit with male pyramid



Foot cover kit

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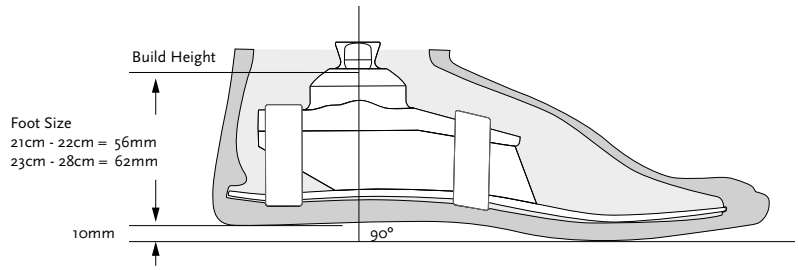
Flex-Foot® Balance

Category Selection Guide

	Foot Size								
Weight	21	22	23	24	25	26	27	28	
36-44kg	0	0	0	0					
45-61kg	1	1	1	1	1	1			
62- 80kg			2	2	2	2	2	2	
81-97kg					3	3	3	3	
98-114kg					4	4	4	4	NEW
115-136kg					5	5	5	5	NEW

Clearance



Kits

FLEX-FOOT BALANCE KIT WITH MALE PYRAMID

Category (0-5)
Foot Size (21-28cm)
FBPo ☐☐☐☐ L/R (Left/Right)

Includes
- Foot Module with Male Pyramid
- Foot cover kit

Cosmetic Finishing

See page 116 for details on cosmetic finishing options.

Foot Size (21-28cm)
FCTo ☐☐☐ L/R (Left/Right)

Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Attachment Plate
- Flex-Foot Sock

Part#	Description	Size
FCX63006	Flex-Foot Sock	21-25cm
FCX63007	Flex-Foot Sock	26-28cm

Part#	Description
CM100068	Shoe Horn

Flex-Foot® Assure

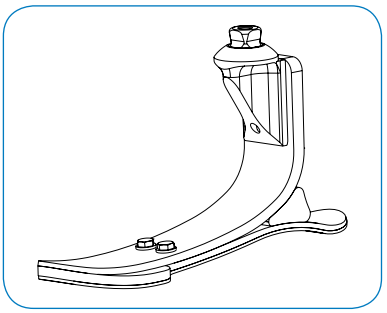
Introduction

- Lightweight, carbon fibre foot with moderate energy storage and release
- Active heel with cushion wedge
- Provides the user with optimal roll over, safety and stability during stance phase
- Reduces impact load on the contralateral side
- Male pyramid or 30mm tube option

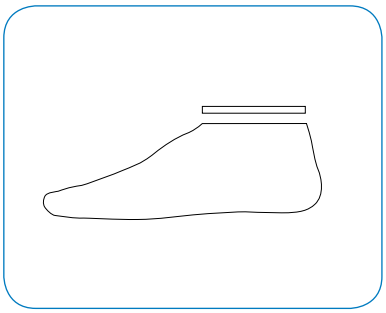
USER INFORMATION	
Maximum Patient Weight	136kg
Impact Level	Low and Moderate
FOOT INFORMATION	
Categories	1-5
Sizes	19-30cm
Weight of the standard foot module (Size 27) with male pyramid	346g
Features	

Full toe lever | Proportional response | Tibial progression | Active heel

Flex-Foot Assure with Male Pyramid

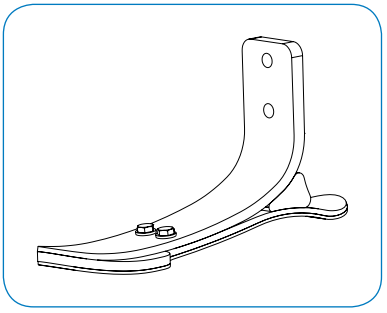


Flex-Foot Assure kit with male pyramid

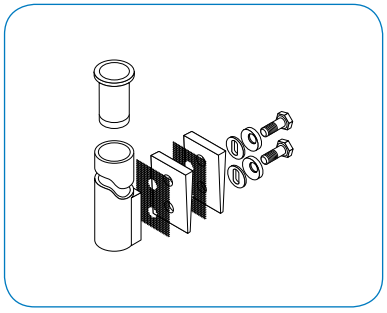


Foot cover kit

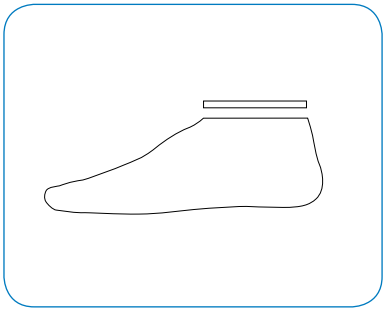
Flex-Foot Assure with Glass Fibre Tube



Flex-Foot Assure kit without adapter



Tube kit



Foot cover kit

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Flex-Foot® Assure

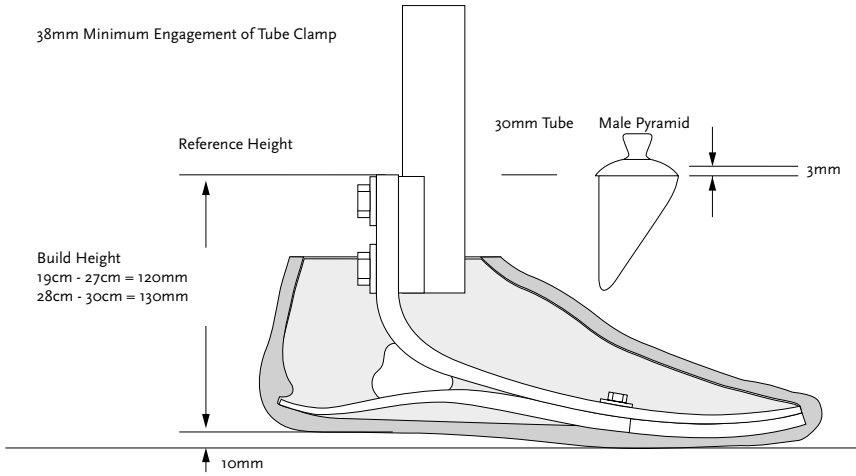
Category Selection Guide

STARTS AT SIZE 19

Foot Size

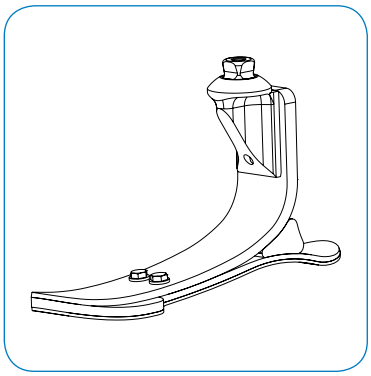
Weight	19	20	21	22	23	24	25	26	27	28	29	30
45-61kg	1	1	1	1	1	1	1	1	1			
62-80kg	2	2	2	2	2	2	2	2	2	2		
81- 97kg					3	3	3	3	3	3	3	
98-114kg						4	4	4	4	4	4	4
115-136kg								5	5	5	5	5

Dimensions



All measurements using 10mm heel height.

Kits

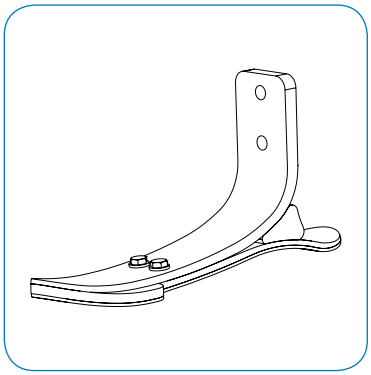


Part#

FLEX-FOOT ASSURE KIT WITH MALE PYRAMID

Category (1-5)
Foot Size (19-30cm)
FAPo ☐☐☐☐ L/R (Left/Right)

Includes
- Foot Module with Male Pyramid
- Foot cover kit*



FLEX-FOOT ASSURE KIT WITHOUT ADAPTER

Category (1-5)
Foot Size (19-30cm)
FAXo ☐☐☐☐ L/R (Left/Right)

Includes
- Foot Module
- Foot cover kit*

*For Flex-Foot Assure with brown foot cover add a "BR" to the part#

Flex-Foot® Assure

Components

MALE PYRAMID ADAPTER (METRIC) KIT

Part#	Weight	Cat.
SFX00165	104g	1-5

Includes
- Pyramid
- Loctite
- Hardware (M8 bolts)

30MM GLASS FIBRE TUBE KIT

Part#	Weight	Length	Wall Thickness	Cat.
SFX00001	292g	279mm	3mm	1-3 Red
SFX00002	333g	381mm	3mm	1-3 Red
SFX00003	331g	279mm	4mm	4-5 Green
SFX00004	401g	381mm	4mm	4-5 Green

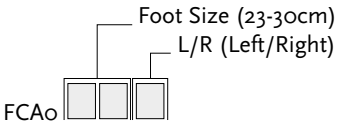
Includes
- Tube
- Bolts (5/16" UNF)
- Spherical Washers
- Friction Pads
- Loctite 410
- Alignment Wedges

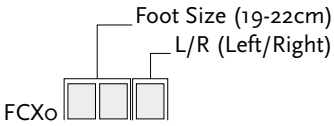
TUBE INSERT

Part#	Weight	Diameter
A-718009	18g	30mm

Part#	Description
SFX00123	30mm Alignment Fitting Tool (Metric)

Cosmetic Finishing





Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Flex-Foot Sock
- Attachment Plate

Part#	Description	Size
FCX63006	Flex-Foot Sock	22-25cm
FCX63007	Flex-Foot Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

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Flex-Foot® Axia™

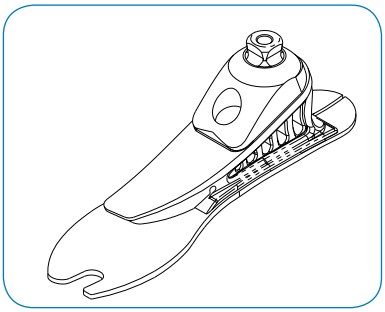
Introduction

- Multi-axial foot with smooth energy response
- Guided roll-over enhances balance in gait
- Maintenance free design
- For users that prefer smooth energy return and controlled roll over function for a better gait balance

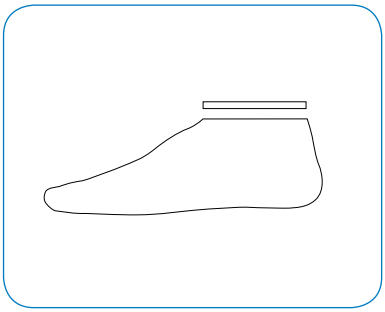
USER INFORMATION		
Maximum Patient Weight	140kg	125kg
Impact Level	Low	Moderate
FOOT INFORMATION		
Categories		0-4
Sizes		23-30cm
Weight of the the foot (Size 27) with foot cover and pyramid		566g
Features		

Full toe lever | Proportional response | Multi-axial ground compliance | Sandal toe

Flex-Foot Axia



Flex-Foot Axia kit



Foot cover kit

Flex-Foot® Axia™

Category Selection Guide

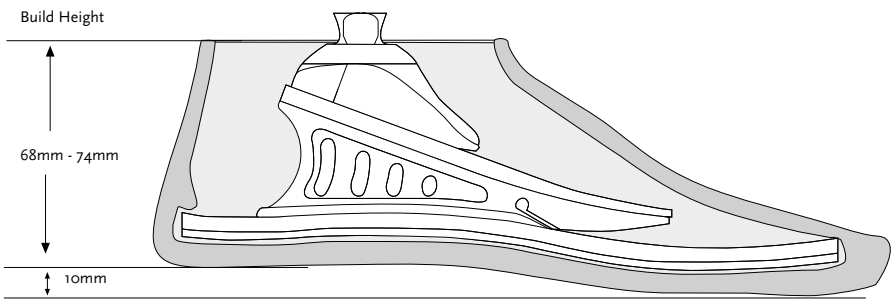
Low Activity **Foot Size**

Weight	23	24	25	26	27	28	29	30
45-68kg	0	0	0	0	1	1		
69-88kg	1	1	1	1	1	1		
89-100kg	1	1	2	2	2	2	4	4
101-116kg			2	2	2	2	4	4
117-125kg			3	3	3	3	4	4
126-140kg							4	4

Moderate Activity **Foot Size**

Weight	23	24	25	26	27	28	29	30
45-60kg	0	0	0	0	1	1		
61-77kg	1	1	1	1	1	1		
78-90kg	1	1	2	2	2	2	4	4
91-100kg			2	2	2	2	4	4
101-116kg			3	3	3	3	4	4
117-125kg							4	4

Clearance

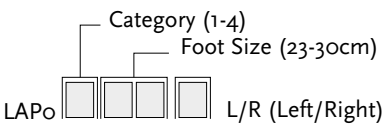


All measurements using 10mm heel height.

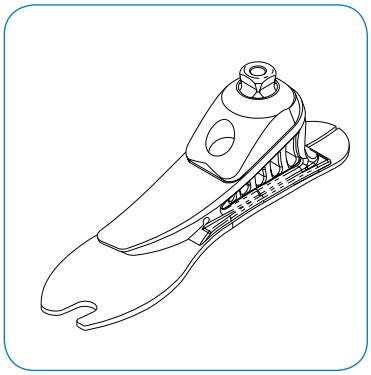
Kits

Part#

FLEX-FOOT AXIA KIT



Includes
- Foot Module
- Integrated Pyramid
- Heel inserts



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Flex-Foot® Axia™

Components

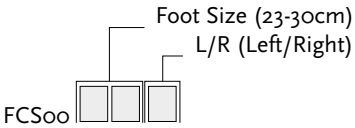
FLEX-FOOT AXIA HEEL INSERTS

Picture	Part#	Foot Size
1	LAX01001	23-24
2	LAX01002	25-26
3	LAX01003	27-28
4	LAX01004	29-30

Includes
- One Heel Insert for each side of Tarsal Core
- Adhesive

Part#	Description
CM160016	Loctite 410 black

Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Flex-Foot Sock

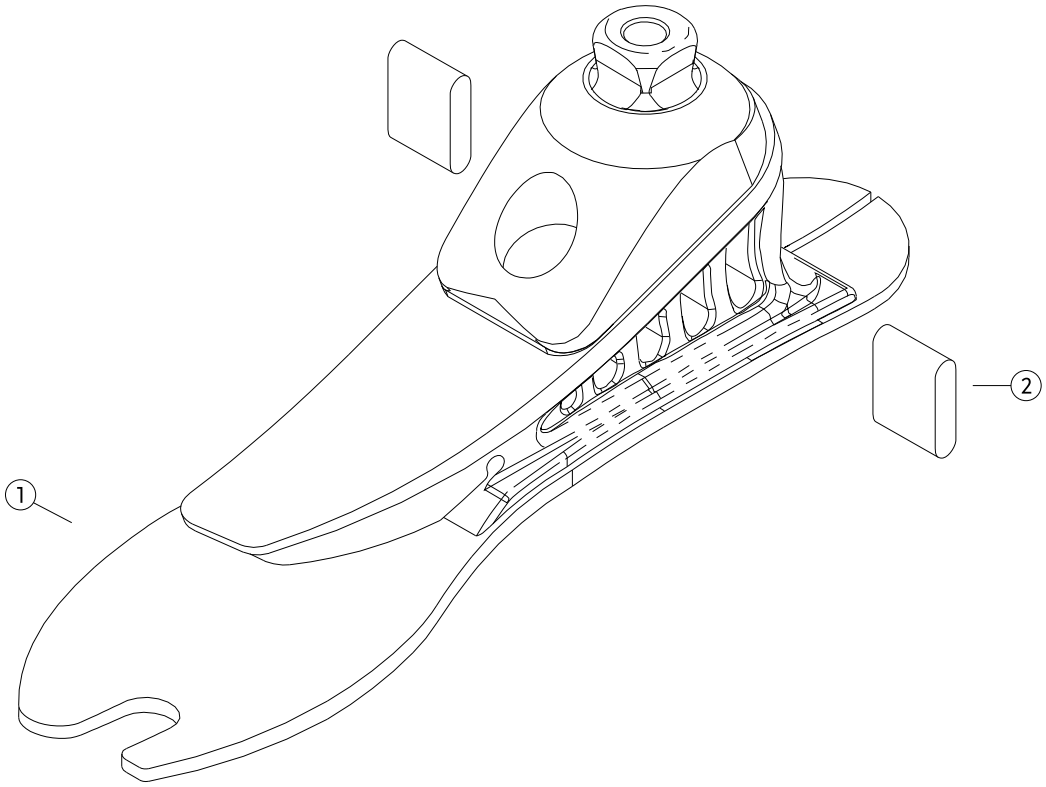
Part#	Description	Size
FCX63006	Flex-Foot Sock	22-25cm
FCX63007	Flex-Foot Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

Flex-Foot® Axia™

Diagram



Picture	Description
1	Foot Module
2	Heel Insert Kit

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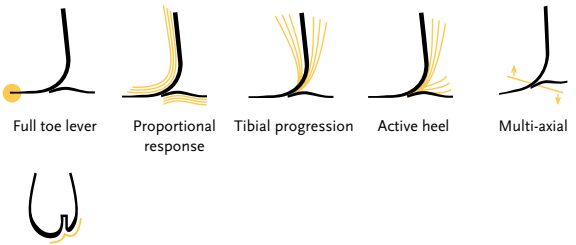
Talux® ST

Introduction

- Provides fluid, natural walking motion over a variety of terrains
- Dual "J" springs and carbon fibre keel ensure energy storage and release
- Tarsal Core offers multiaxial function and Achilles Strap enhances forward propulsion
- Male pyramid or 30mm tube option
- Sandal Toe

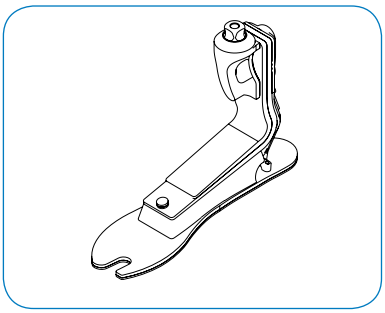
USER INFORMATION	
Maximum Patient Weight	147kg
Impact Level	Low and Moderate
FOOT INFORMATION	
Categories	1-8
Sizes	23-30cm
Weight of the foot (Size 27) with male pyramid and foot cover	740g
Features	



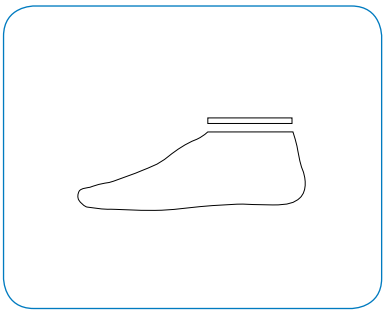
Full toe lever | Proportional response | Tibial progression | Active heel | Multi-axial

Sandal toe

Talux with male pyramid

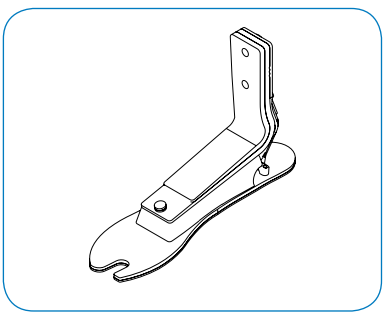


Talux kit with male pyramid

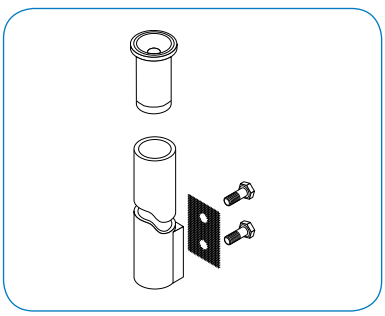


Foot cover kit

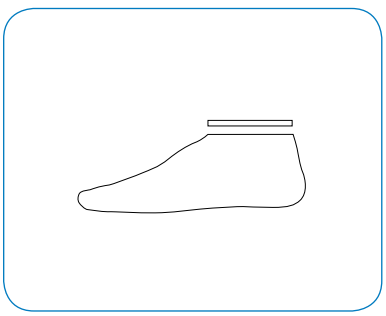
Talux with carbon fibre tube



Talux kit without pyramid



Tube kit



Foot cover kit

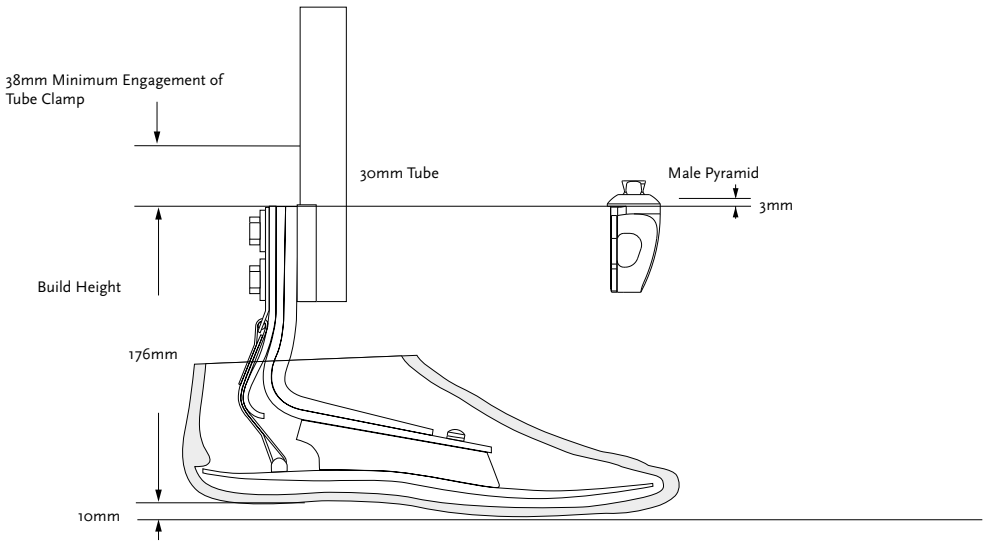
Talux® ST

Category Selection Guide

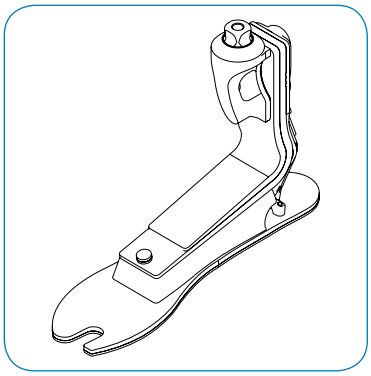
Low Impact Level				Weight					
Foot Size	45-52kg	53-59kg	60-68kg	69-77kg	78-88kg	89-100kg	101-116kg	117-130kg	131-147kg
23/24	1	1	2	3	4	5			
25/26			2	3	4	5	6	7	
27				3	4	5	6	7	
28				3	4	5	6	7	8
29/30					4	5	6	7	8

Moderate Impact Level				Weight					
Foot Size	45-52kg	53-59kg	60-68kg	69-77kg	78-88kg	89-100kg	101-116kg	117-130kg	131-147kg
23/24	1	2	3	4	5				
25/26		2	3	4	5	6	7		
27			3	4	5	6	7		
28			3	4	5	6	7	8	
29/30				4	5	6	7	8	

Dimensions



All measurements using 10mm heel height.



Kits

TALUX KIT WITH MALE PYRAMID

Category (1-8)
Foot Size (23-30cm)
TLPo L/R (Left/Right)

Includes
- Foot Module
- Male Pyramid
- Tarsal Core
- Achilles Strap
- Foot Shell

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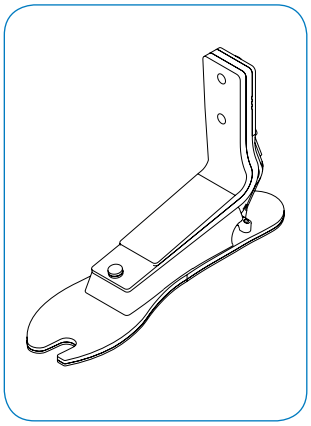
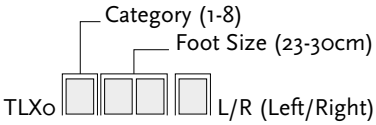
Talux® ST

Kits



TALUX KIT WITHOUT ADAPTER



Includes
- Foot Module
- Achilles Strap
- Tarsal Core

Components

BOLT-ON MALE PYRAMID ADAPTER (METRIC)

Part#	Weight	Cat.
FFC2210003	175g	1-6
FFC2210004	205g	7-8

Includes
- Pyramid
- Hardware (M8 or M10 bolts)
- Loctite

30MM CARBON FIBRE TUBE KIT

Part#	Weight	Length	Cat.
TLX01011	216g	229mm	1-6 Black
TLX01012	275g	229mm	7-8 Black
TLX01013	293g	381mm	1-6 Black
TLX01014	369g	381mm	7-8 Black

Includes
- Carbon Fibre Tube
- Attachment Hardware (5/16" UNF bolts)
- Friction Pads
- Loctite
- Tube Insert (cat. 7-8)

Talux® ST

Components

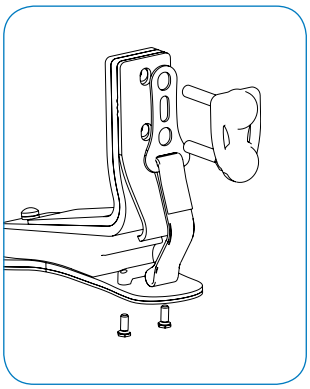
TUBE INSERT

Part#	Weight	Diameter	Cat.
A-718009	18g	30mm	7-8

ACHILLES STRAP KITS

Part#	Foot Size	Cat.
TLX01002	23-26cm	1-6
TLX01003	27-30cm	1-6
TLX01004	23-26cm	7-8
TLX01005	27-30cm	7-8

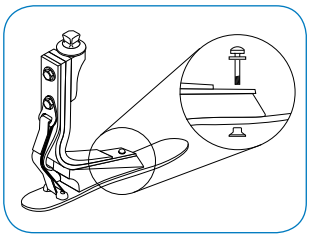
Includes
- Strap
- Hanger
- Pin
- Bolts



PLANTAR FLEXION CONTROL BOLTS

Part#	Foot Size	Cat.
TLX01006	23-24cm	1-6
TLX01007	25-26cm	1-6
TLX01008	27-28cm	7-8
TLX01009	29-30cm	7-8

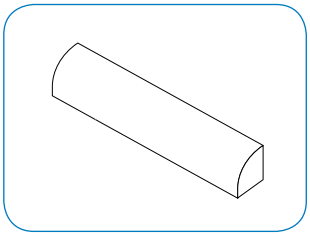
Includes
- Bolt
- Urethane Washer
- Nut
- Loctite



Part#	Description
CM160016	Loctite 410 black

Part#	Description
TLX01001	Heel Wedge Kit

Includes
- 3 inserts of different durometer
  - Red - Soft
  - Blue - Medium
  - White - Firm
- Adhesive



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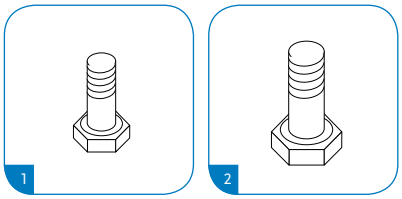
Talux® ST

Components

BOLTS

Picture	Part#	Description	Length	Size	Cat.
1	CM130219	Attachment Bolts for 30mm Tube	1-3/4"	5/16"-24	1-6
	CM130213	Attachment Bolts for 30mm Tube	1-3/4"	3/8"-24	7-9
2	CM130234	Attachment Bolts for Pyramid	30mm	M8	1-6
	CM130223	Attachment Bolts for Pyramid	35mm	M10	7-9



Cosmetic Finishing

See page 116 for details on cosmetic finishing options.

Please specify when ordering brown covers. Add "BR" to the part#.

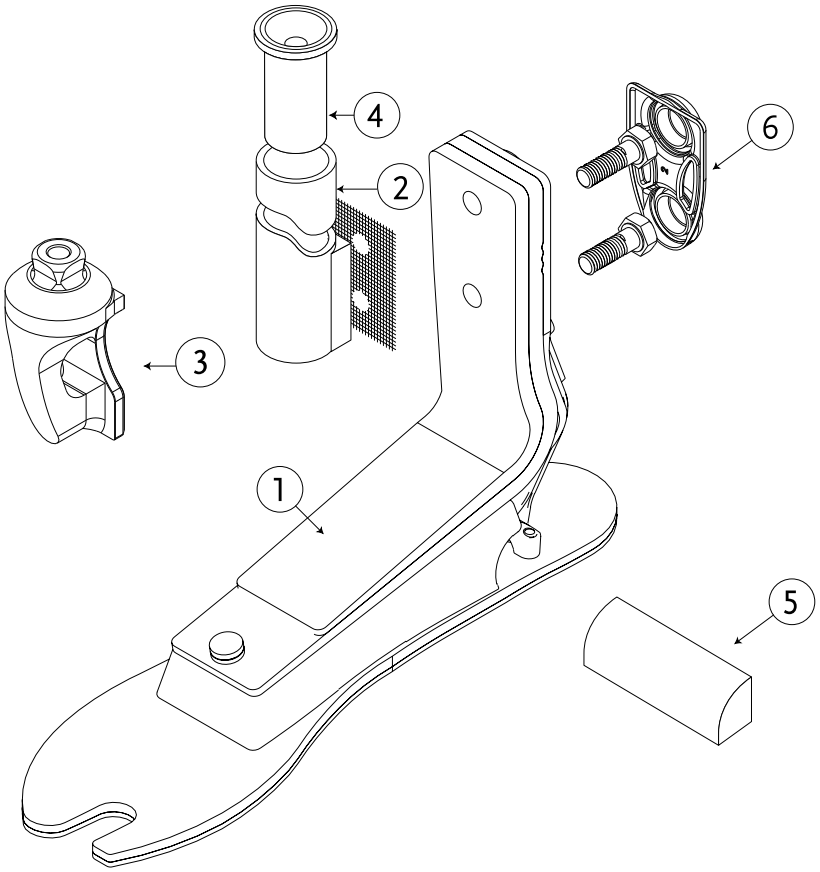
Includes
- Foot Cover
- Attachment Plate
- Flex-Foot Sock

Part#	Description	Size
FCX63006	Flex-Foot Sock	22-25cm
FCX63007	Flex-Foot Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

Talux® ST

Diagram



Picture	Description
1	Foot Module
2	30mm Carbon Fibre Tube Kits
3	Bolt-on Male Pyramid
4	Tube Insert
5	Talux Wedge Kit
6	Plastic cap

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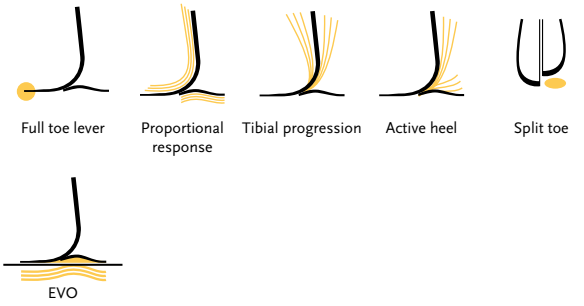
Vari-Flex® with EVO™

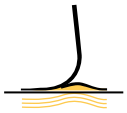
Introduction

- High energy return
- Lightweight yet extremely strong for maximum performance
- Active CarbonX® heel
- Choice of male pyramid or 30mm carbon tube
- Available in low (10mm) and high (19mm) heel
- For users who walk with a varied cadence and require a reliable, lightweight foot with fast reaction

USER INFORMATION	
Maximum Patient Weight	166kg
Impact Level	All
FOOT INFORMATION	
Categories	1-9
Sizes	22-30cm
Weight of the foot (Size 27) with male pyramid, sock and foot cover	720g
Features	

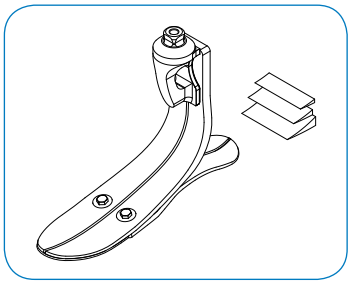


Full toe lever | Proportional response | Tibial progression | Active heel | Split toe | EVO

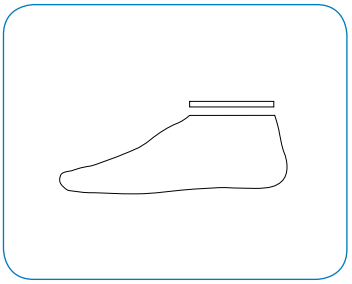


The EVO feature enables amputees to experience natural gait progression by utilising the foot plate to its fullest potential. A more natural gait reduces fatigue and puts less strain on the lower back and sound side

Vari-Flex with EVO with male pyramid

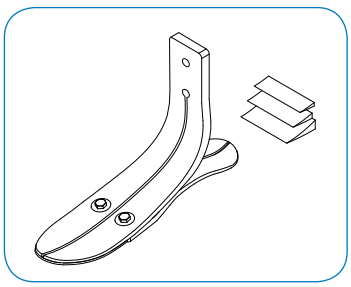


Vari-Flex with EVO kit with male pyramid

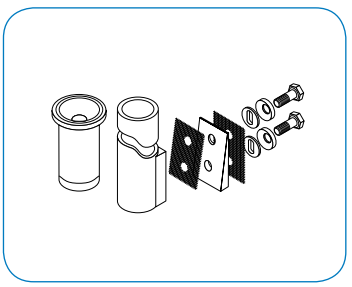


Foot cover kit

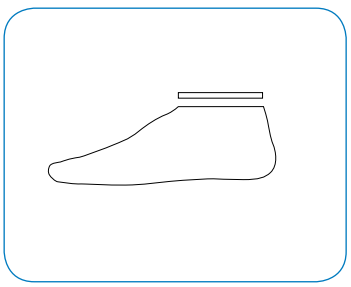
Vari-Flex with EVO with carbon fiber tube



Vari-Flex with EVO kit without pyramid



Tube kit



Foot cover kit

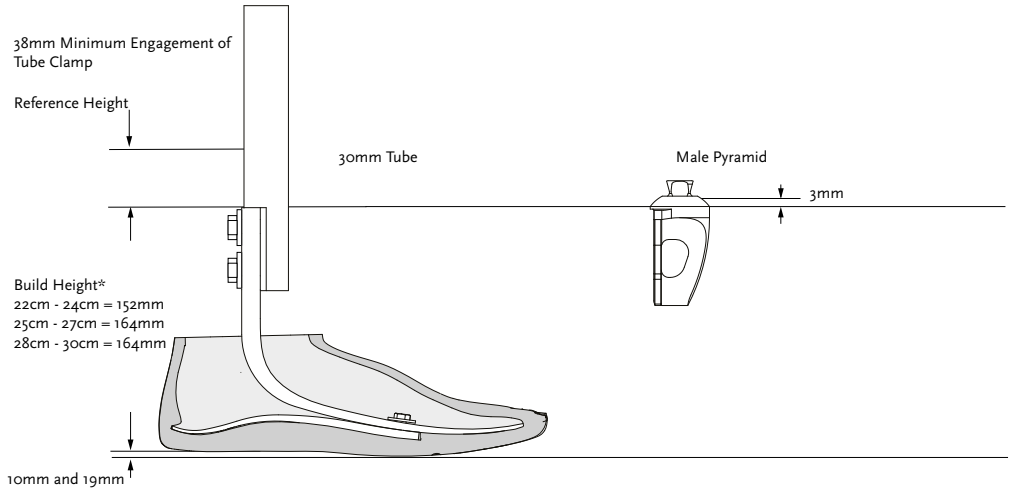
Vari-Flex® with EVO™

Category Selection Guide

Weight Kg

Impact Level	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147	148-166
Low	1	1	2	3	4	5	6	7	8	9
Moderate	1	2	3	4	5	6	7	8	9	Special
High	2	3	4	5	6	7	8	9	Special	Special

Dimensions



All measurements using 10mm heel height.

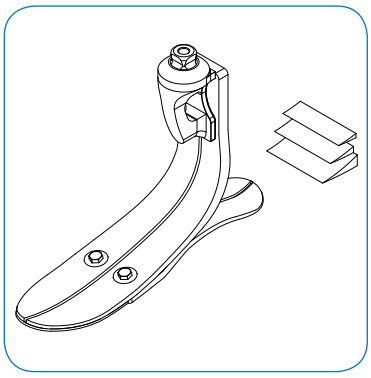
Kits

Part#

VARI-FLEX WITH EVO KIT WITH MALE PYRAMID

Category (1-9)
Foot Size (22-30cm)
VFPE [ ][ ][ ][0] 10mm Heel height

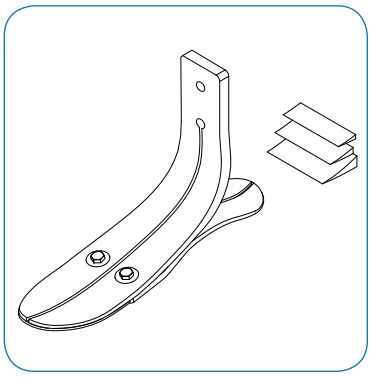
Category (1-9)
Foot Size (22-30cm)
VFPE [ ][ ][ ][2] 19mm Heel height



VARI-FLEX WITH EVO KIT WITHOUT ADAPTER

Category (1-9)
Foot Size (22-30cm)
VFXE [ ][ ][ ][0] 10mm Heel height

Category (1-9)
Foot Size (22-30cm)
VFXE [ ][ ][ ][2] 19mm Heel height



For solid toe special orders please call your Customer Care Representative on 08450 065 065

Vari-Flex® with EVO™

Components

30MM CARBON FIBRE TUBE KIT

Picture	Part#	Weight	Length	Hole Spacing	Cat.
1	VFX00003	216g	229mm	38mm	1-6
1	VFX00004	275g	229mm	38mm	7-9
1	VFX00006	293g	381mm	38mm	1-6
1	VFX00007	369g	381mm	38mm	7-9

Includes
- Alignment Wedges
- Tube
- Spherical Washers
- Attachment Bolts and Hardware (5/16" UNF)
- Friction Pads
- Tube Insert (Cat. 7-9)

TUBE INSERT

Picture	Part#	Weight	Diameter	Cat.
2	A-718009	18g	30mm	7-9

ALIGNMENT WEDGES FOR TUBE KIT

Picture	Part#	Cat.
3	CM150041	1-3
3	CM150042	4-9

Includes
- 2 Wedges (2° and 4°)
- Friction Pad
- Loctite

BOLT-ON MALE PYRAMID ADAPTERS (METRIC)

Picture	Part#	Weight	Cat.
4	FFC2210001	175g	1-6
4	FFC2210002	205g	7-9

Includes
- Pyramid
- Hardware (M8 or M10 bolts)
- Plastic Bolt Cap
- Loctite

KIT TEMPORARY SLOTTED WEDGE

Picture	Part#	Cat.
5	CM100204	1-9

30MM ALIGNMENT FITTING TOOL KIT

Picture	Part#	Cat.
6	VFX00008	1-9

Includes
- Attachment Hardware
- Alignment Tool

Vari-Flex® with EVO™

Components

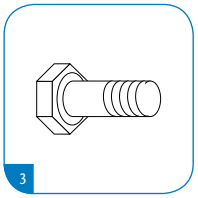
HEEL WEDGE KITS

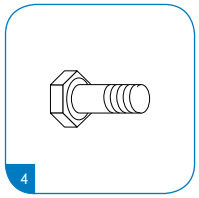
Part#	Cat.	Foot Size
CM150006	1-9	22-27cm
CM150009	1-9	28-30cm

Includes
- 3 Wedges
- Adhesive

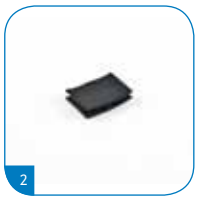
BOLTS

Picture	Part#	Description	Length	Size	Cat.
1	CM150004	Heel Fastener Hardware Kit (Bolts, Washer)	18mm	1/4”	1-6
	CM150005	Heel Fastener Hardware Kit (Bolts, Washer)	18mm	5/16”	7-9
2	CM130206	Heel Fastener Bolts	18mm	1/4”	1-6
	CM130220	Heel Fastener Bolts	18mm	5/16”	7-9
3	CM130219	Attachment Bolts for 30mm Tube	1-3/4"	5/16”-24	1-6
	CM130213	Attachment Bolts for 30mm Tube	1-3/4"	3/8”-24	7-9
4	CM130234	Attachment Bolts for Pyramid	35mm	M8	1-6
	CM130223	Attachment Bolts for Pyramid	35mm	M10	7-9





Picture	Part#	Description
1	CM160016	Loctite 410 black
2	CM140003	Heel Divider



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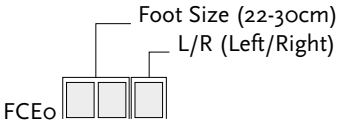
Vari-Flex® with EVO™

Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Flex-Foot EVO Sock
- Foot Cover Attachment

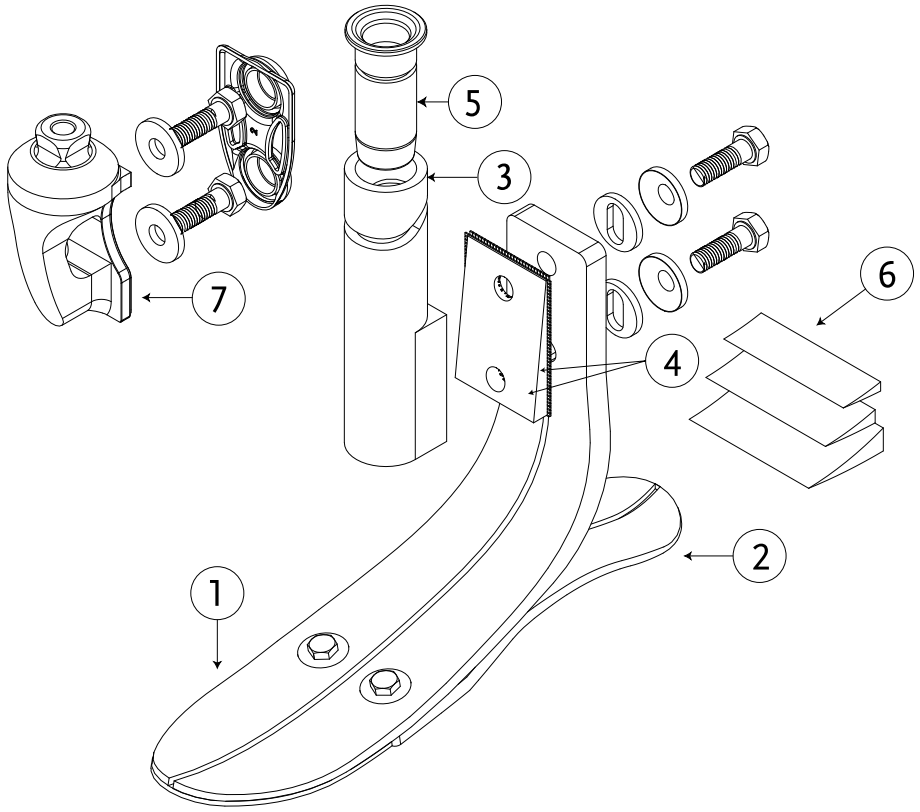
Part#	Description	Size
FCE63006	Flex-Foot EVO Sock	22-25cm
FCE63007	Flex-Foot EVO Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

Vari-Flex® with EVO™

Diagram



Picture	Description
1	Foot Module
2	Heel
3	30mm Carbon Fibre Tube Kit
4	Alignment Wedges for Tube Kit
5	Tube Insert
6	Heel Wedges
7	Bolt-on Male Pyramid Adapter

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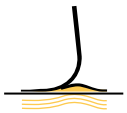
LP Vari-Flex® with EVO™

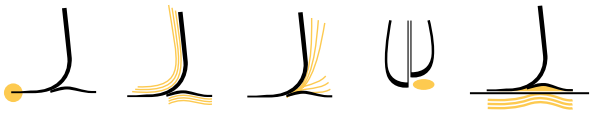
Introduction

- A low profile option to Vari-Flex with EVO for amputees with long residual limbs
- High energy return and superior flexibility
- Active CarbonX® heel
- Lightweight yet extremely strong for maximum performance
- Easy to cosmetically finish and align
- Integrated titanium male pyramid
- Available in low (10mm) and high (19mm) heel
- For users who prefer a variable mobility and require a reliable, lightweight foot with fast reaction



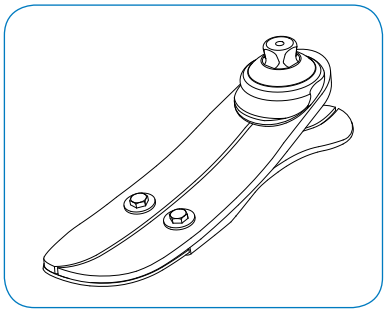
The EVO feature enables amputees to experience natural gait progression by utilising the foot plate to its fullest potential. A more natural gait reduces fatigue and puts less strain on the lower back and sound side

USER INFORMATION		
Maximum Patient Weight		166kg
Impact Level		All
FOOT INFORMATION		
Categories	1-5	1-9
Sizes	22-24cm	25-30cm
Weight of the the foot (Size 27) with male pyramid, sock and foot cover		590g
Features		

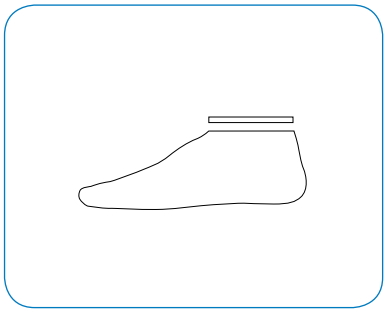


Full toe lever | Proportional response | Active heel | Sandal toe | EVO

LP Vari-Flex with EVO with male pyramid

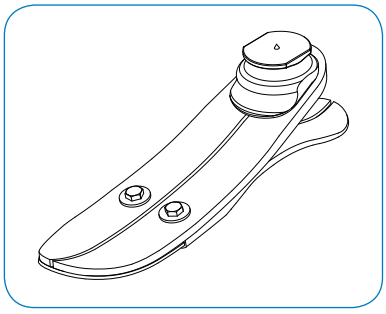


LP Vari-Flex with EVO kit with male pyramid

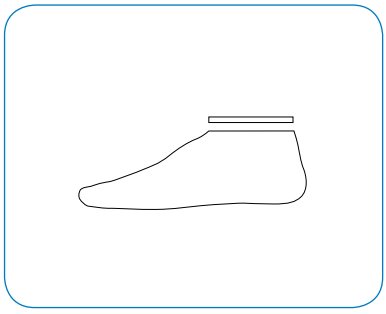


Foot cover kit

LP Vari-Flex with EVO with lamination adapter



LP Vari-Flex with EVO kit with lamination adapter



Foot cover kit

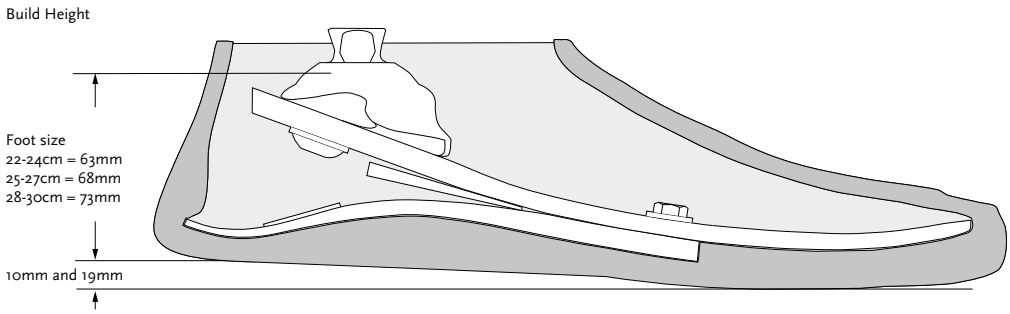
LP Vari-Flex® with EVO™

Category Selection Guide

Weight Kg

Impact Level	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147	148-166
Low	1	1	2	3	4	5	6	7	8	9
Moderate	1	2	3	4	5	6	7	8	9	N/A
High	2	3	4	5	6	7	8	9	N/A	N/A

Dimensions



Add 20mm to the build height for LP Vari-Flex with EVO with Lamination Adapter.
All measurements using 10mm heel height.

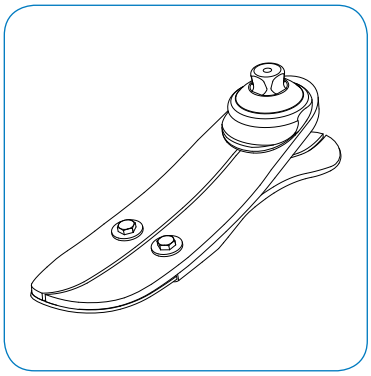
Kits

Part#

LP VARI-FLEX WITH EVO KIT WITH MALE PYRAMID

Category 1-5 (Size 22-24), 1-9 (Size 25-30)
Foot Size (22-30cm)

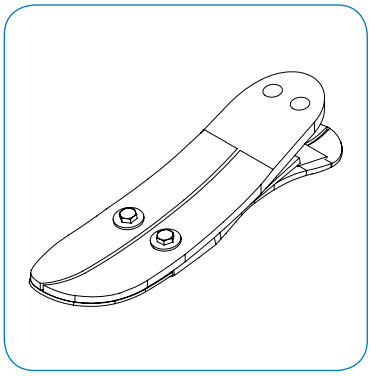
VLPE □□□ 0 10mm Heel height



LP VARI-FLEX WITH EVO KIT (foot module only - no adapter included) FOR EXO-SKELETAL APPLICATIONS

Category 1-5 (Size 22-24), 1-9 (Size 25-30)
Foot Size (22-30cm)

VLXE □□□ 0 10mm Heel height



Note: Solid toe is a special order. Please call your Customer Care Representative on 08450 065 065.

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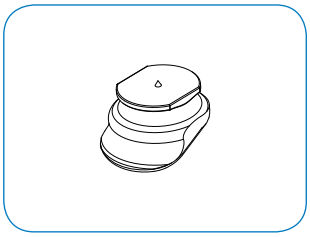
LP Vari-Flex® with EVO™

Components

Part#	Description	Cat.
VLX00001	Lamination Adapter Foot size 22-24	1-5
VLX00002	Lamination Adapter Foot size 25-30	1-6
VLX00003	Lamination Adapter Foot size 25-30	7-9



Includes
- Bolts

HEEL WEDGE KIT

Part#	Cat.	Foot Size
CM150011	1-9	22-30cm

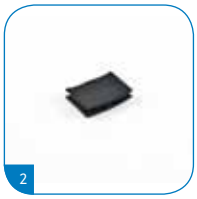
Includes
- 3 Wedges
- Adhesive

HEEL FASTENER HARDWARE KIT

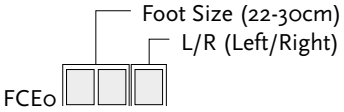
Part#	Cat.	Size	Diameter
CM150004	1-6	22-30cm	1/4”
CM150005	7-9	28-30cm	5/16”

Includes
- Bolts
- Washer

Picture	Part#	Description
1	CM160016	Loctite 410 black
2	CM140003	Heel Divider



Cosmetic Finishing



Please specify when ordering brown covers. Add “BR” to the part number.

Includes
- Foot Cover
- Flex-Foot EVO Sock
- Foot Cover Attachment

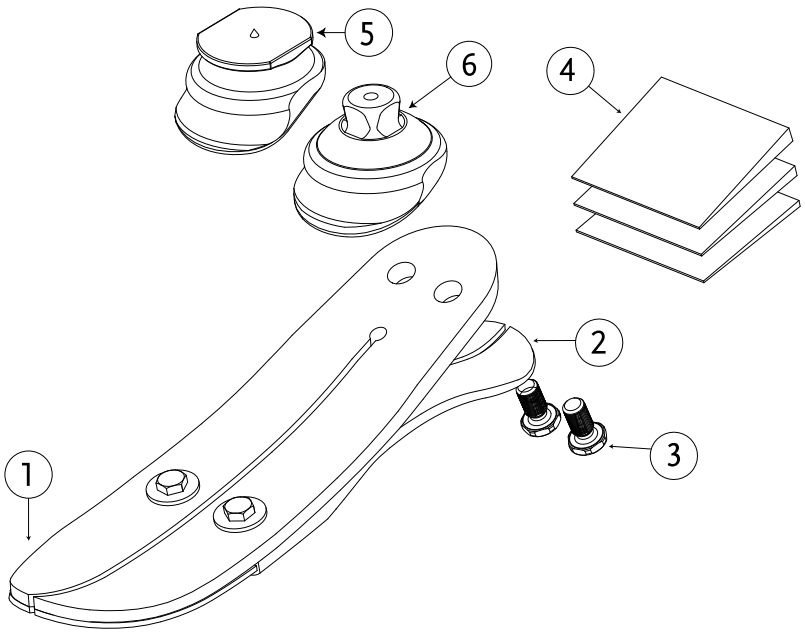
Part#	Description	Size
FCE63006	Flex-Foot EVO Sock	22-25cm
FCE63007	Flex-Foot EVO Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

LP Vari-Flex® with EVO™

Diagram



Picture	Description
1	LP Vari-Flex with EVO, Foot Module
2	Heel
3	Bolts
4	Heel Wedges
5	Lamination Adapter
6	Male Pyramid

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Vari-Flex® XC NEW

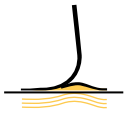
Introduction

- Vari-Flex XC is a high performance, lightweight foot
- Suitable for a wide range of activities
- C-shape dual blades
- Shock absorbing
- Lightweight bonded pyramid
- EVO feature

USER INFORMATION	
Maximum Patient Weight	166kg
Impact Level	Low to High
FOOT INFORMATION	
Categories	1-9
Sizes	22-30cm
Weight of the foot (Size 27) with male pyramid, sock and foot cover	712g
Features	

Full toe lever | Proportional response | Tibial progression | Active heel | Split toe

EVO



The EVO feature enables amputees to experience natural gait progression by utilising the foot plate to its fullest potential. A more natural gait reduces fatigue and puts less strain on the lower back and sound side

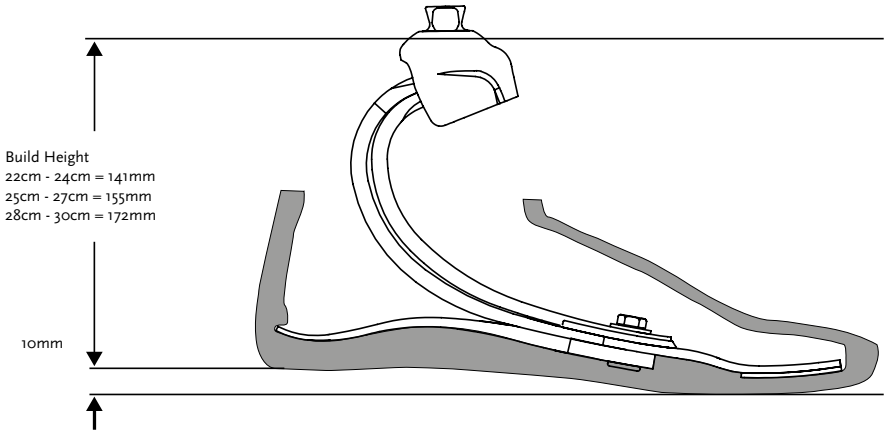
Vari-Flex® XC

Category Selection Guide

Weight Kg

Impact Level	45-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147	148-166
Low	1	1	2	3	4	5	6	7	8	9
Moderate	1	2	3	4	5	6	7	8	9	N/A
High	2	3	4	5	6	7	8	9	N/A	N/A

Dimensions



All measurements using 10mm heel height.

Kits

Part#

VARI-FLEX XC

Category (1-9)
Foot Size (22-30cm)

XCPE [ ][ ][ ][0] 10mm Heel height

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Vari-Flex® XC

Components

Part#

HEEL FOOT MODULE

Category (1-8)
Foot Size (22-30cm)
UNH2 [ ][ ][ ][0] 10mm Heel height

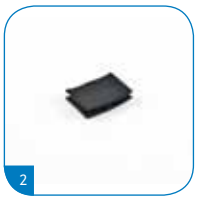
Category (1-8)
Foot Size (22-30cm)
UNE2 [ ][ ][ ][2] 19mm Heel height

HEEL WEDGE KIT

Part#	Cat.	Foot Size
CM150011	1-9	22-30cm

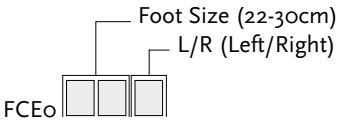
Includes
- 3 Wedges
- Adhesive

Picture	Part#	Description
1	CM160016	Loctite 410 black
2	CM140003	Heel Divider



Vari-Flex® XC

Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Flex-Foot EVO™ Sock
- Foot Cover Attachment

Part#	Description	Size
FCE63006	Flex-Foot EVO Sock	22-25cm
FCE63007	Flex-Foot EVO Sock	26-30cm

See page 116 for details on cosmetic finishing options.

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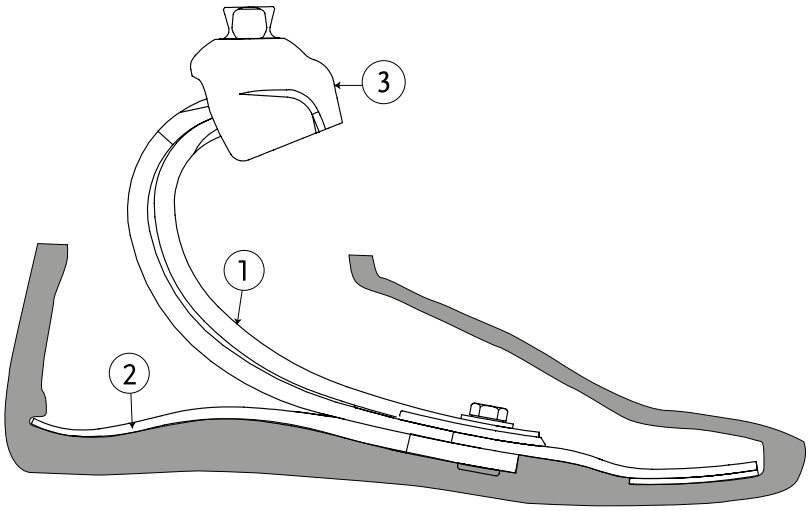
Vari-Flex® XC

Diagram

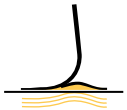


Picture	Description
1	Foot Module
2	Heel
3	Male Pyramid

Re-Flex Rotate™ with EVO™

Introduction

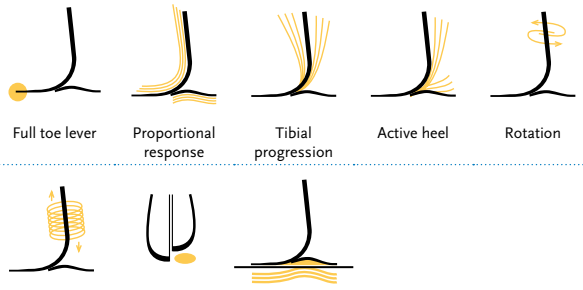
- High performance foot for active users who value excellent comfort without compromising on energy return
- Sleek profile that is easy to cosmetically finish
- Active CarbonX® heel
- Male or Female Pyramid
- Torsion Cell designed to reduce both rotary forces on the knee joint and shear forces on the residual limb
- An integrated Torsion Cell allows rotational yield designed to protect the residual limb and knee joint. Shock absorption by titanium coil spring reduces impact on the body while enhancing both control and comfort during walking and other activities



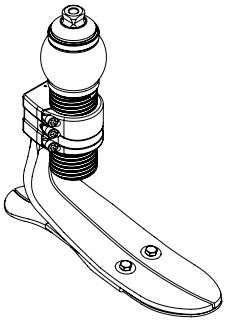
The EVO feature enables amputees to experience natural gait progression by utilising the foot plate to its fullest potential. A more natural gait reduces fatigue and puts less strain on the lower back and sound side

USER INFORMATION	
Maximum Patient Weight	147kg
Impact Level	Low to High
FOOT INFORMATION	
Categories	1-8
Sizes	22-30cm
Weight of the short assembly (Size 27) with pyramid adapter and foot cover	1136g

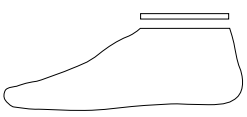
Features



Re-Flex Rotate with EVO



Foot module (short or tall profile)



Foot cover kit

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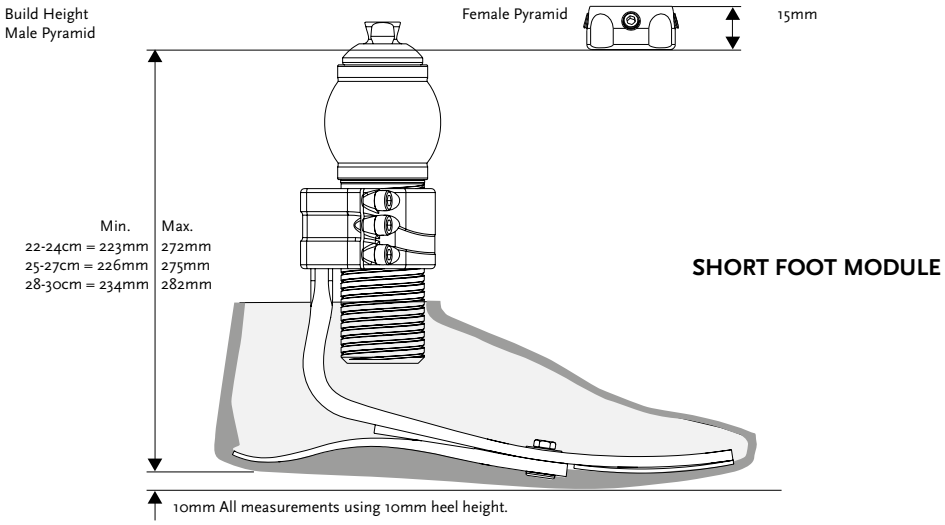
Re-Flex Rotate™ with EVO™

Category Selection Guide

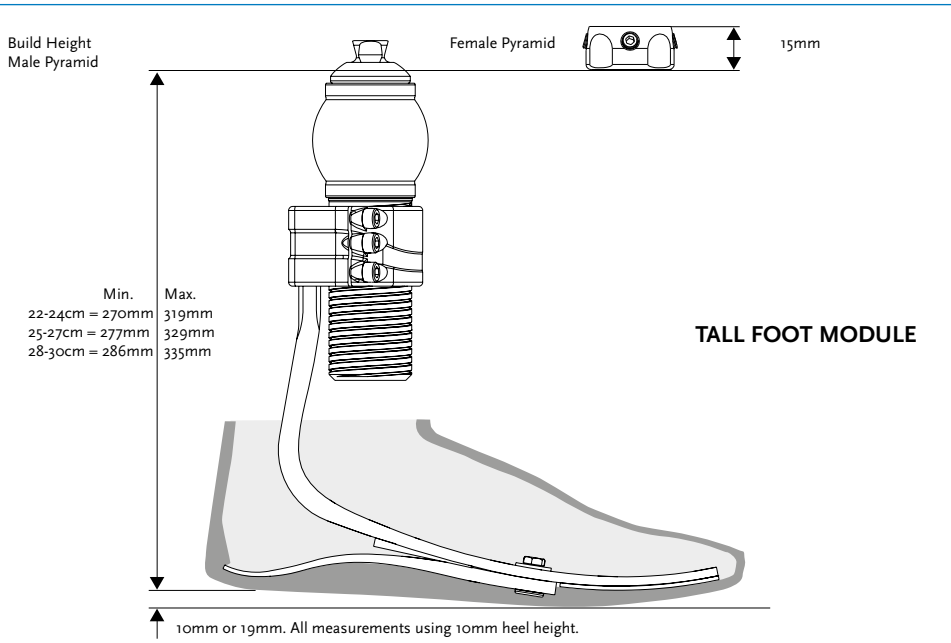
Weight Kg

Impact Level	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147
Low	1	1	2	3	4	5	6	7	8
Moderate	1	2	3	4	5	6	7	8	N/A
High	2	3	4	5	6	7	8	N/A	N/A

Dimensions



SHORT FOOT MODULE

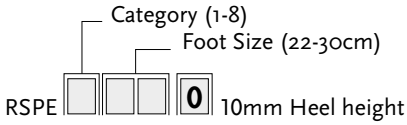


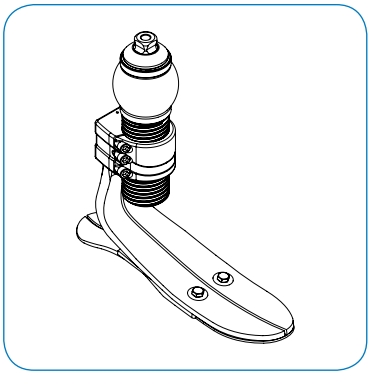
TALL FOOT MODULE

Re-Flex Rotate™ with EVO™

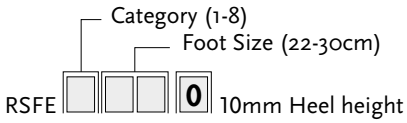
Kits

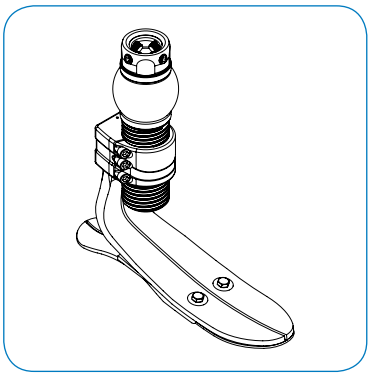
SHORT PROFILE WITH SHOCK AND MALE PYRAMID





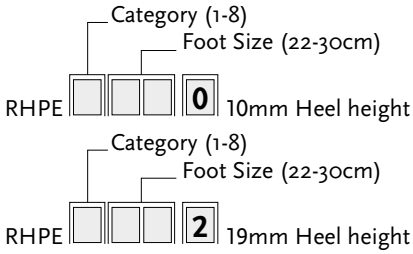
SHORT PROFILE WITH SHOCK AND FEMALE PYRAMID

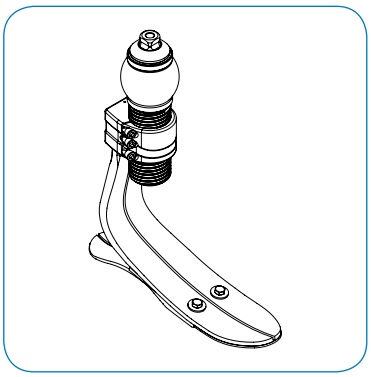




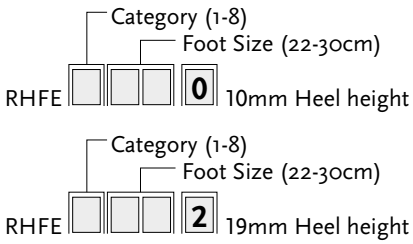
Note: 19mm heel height for short profile, foot size 25-30, available upon special order.

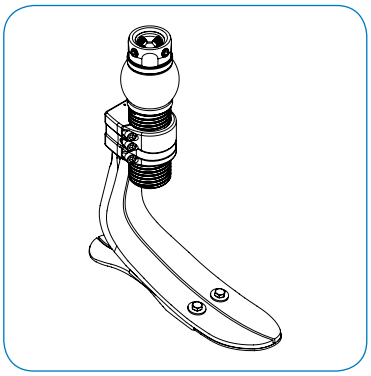
TALL PROFILE WITH SHOCK AND MALE PYRAMID





TALL PROFILE WITH SHOCK AND FEMALE PYRAMID





Includes
- Foot Kit
- Shock Kit
- Female/Male Attachment
- Heel Wedges

Note: Solid toe is a special order. Please call your Customer Care Representative on 08450 065 065

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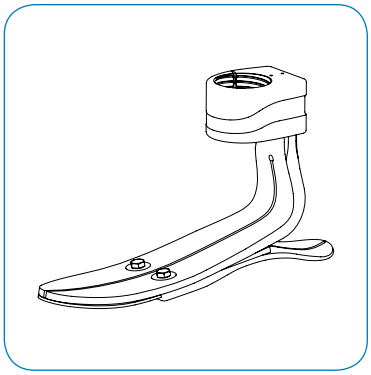
Re-Flex Rotate™ with EVO™

Kits

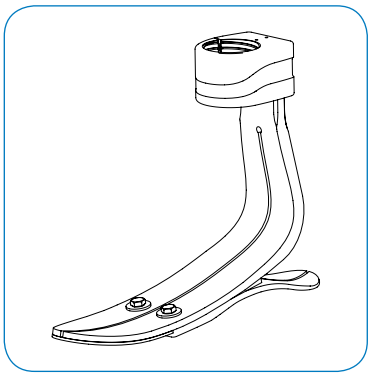


SHORT PROFILE WITHOUT SHOCK

Category (1-8)
Foot Size (22-30cm)
RSXE [ ][ ][ ][0] 10mm Heel height

Note: 19mm heel height for standard profile, foot size 25-30, available upon special order.

TALL PROFILE WITHOUT SHOCK



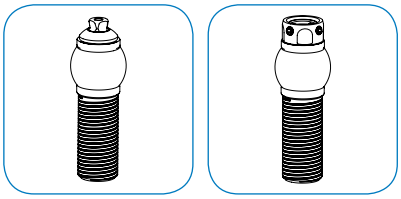
Category (1-8)
Foot Size (22-30cm)
RHXE [ ][ ][ ][0] 10mm Heel height

Category (1-8)
Foot Size (22-30cm)
RHXE [ ][ ][ ][2] 19mm Heel height

Includes
- Foot Module
- Heel Wedges
- Loctite

Note: Solid toe is a special order. Please call your Customer Care Representative on 08450 065 065

SHOCK KITS



Category (1-8)
RRP0 [ ] 0 - Rotate Male Shock Kit
RRF0 [ ] 0 - Rotate Female Shock Kit

Includes
- Male/Female Pyramid Shock Module
- Loctite (Female)

Components

HEEL WEDGE KITS

Part#	Size	Cat.
CM150011	22-30cm	1-8

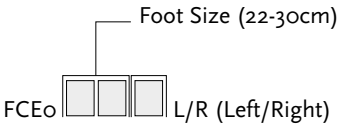
Includes
- 3 Wedges
- Adhesive

Tools

Part#	Description
FFC7980001	Torque Wrench 3Nm Preset

Re-Flex Rotate™ with EVO™

Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Attachment Plate
- Flex-Foot EVO Sock

Part#	Description	Size
FCE63006	Flex-Foot EVO Sock	22-25cm
FCE63007	Flex-Foot EVO Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

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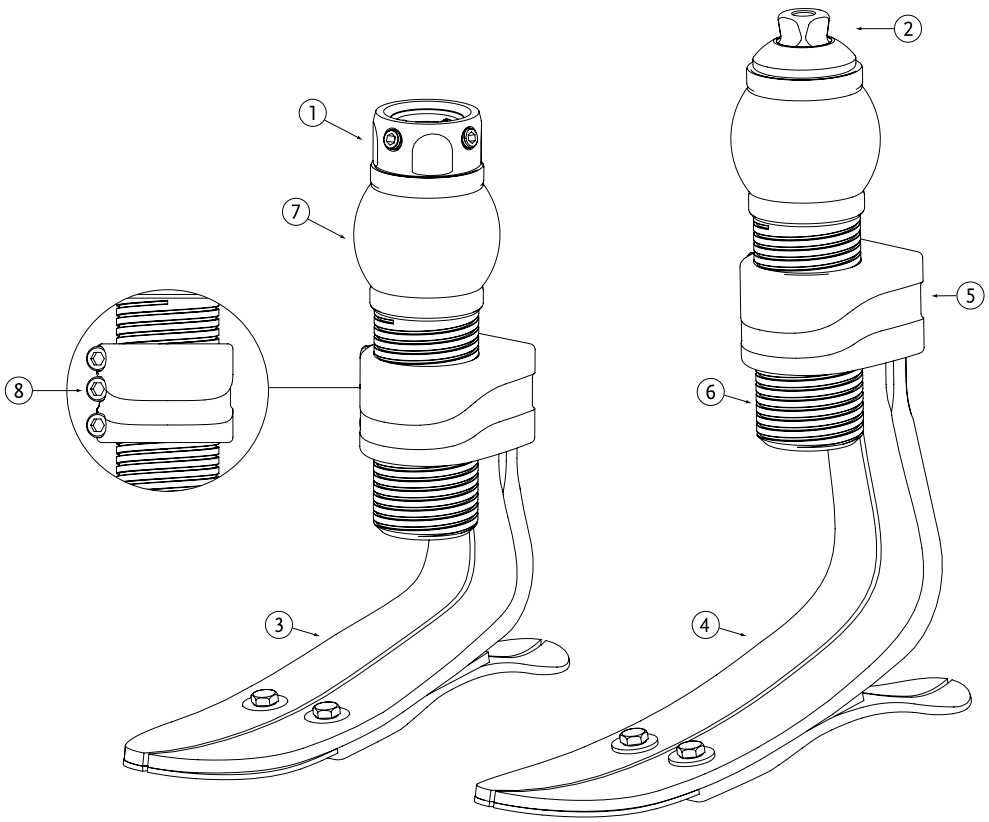
Re-Flex Rotate™ with EVO™

Dimensions



Short Foot Module

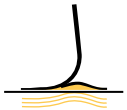
Tall Foot Module

Picture	Description
1	Female Pyramid
2	Male Pyramid
3	Short Foot Kit
4	Tall Foot Kit
5	Fixed Attachment
6	Threaded Outer Tube
7	Polyurethane Torsion Cell
8	Attachment Clamp Screws

LP Rotate™ with EVO™ NEW

Introduction

- The LP Rotate with EVO has been specially designed for people with long residual limbs, who have insufficient clearance for the Re-Flex Rotate with EVO.
- This compact energy-storing foot offers rotational shock absorption designed to reduce shear forces on the residual limb. The Rotate shock module is combined with the LP Vari-Flex foot module. Össur's EVO feature* means the full potential of the foot plate is realised with every step, helping to enhance natural gait progression.



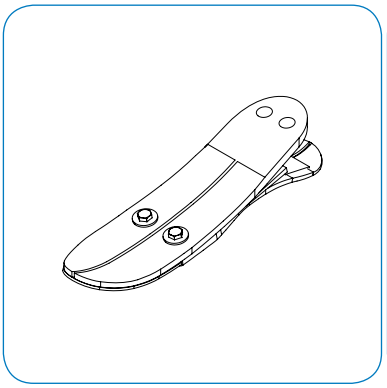
The EVO feature enables amputees to experience natural gait progression by utilising the foot plate to its fullest potential. A more natural gait reduces fatigue and puts less strain on the lower back and sound side

USER INFORMATION	
Maximum Patient Weight	147kg
Impact Level	Low to High
FOOT INFORMATION	
Categories	1-8
Sizes	22-30cm
Weight of the foot (Size 27) with male pyramid	870g
Features	

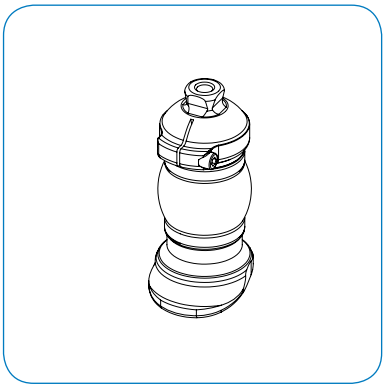
Full toe lever | Proportional response | Active heel | Split toe | Rotation

Shock absorption | EVO

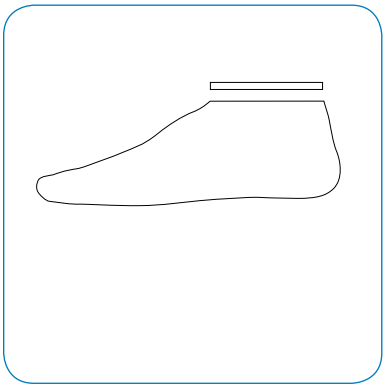
LP Rotate with EVO



Foot module



Shock module



Foot cover kit

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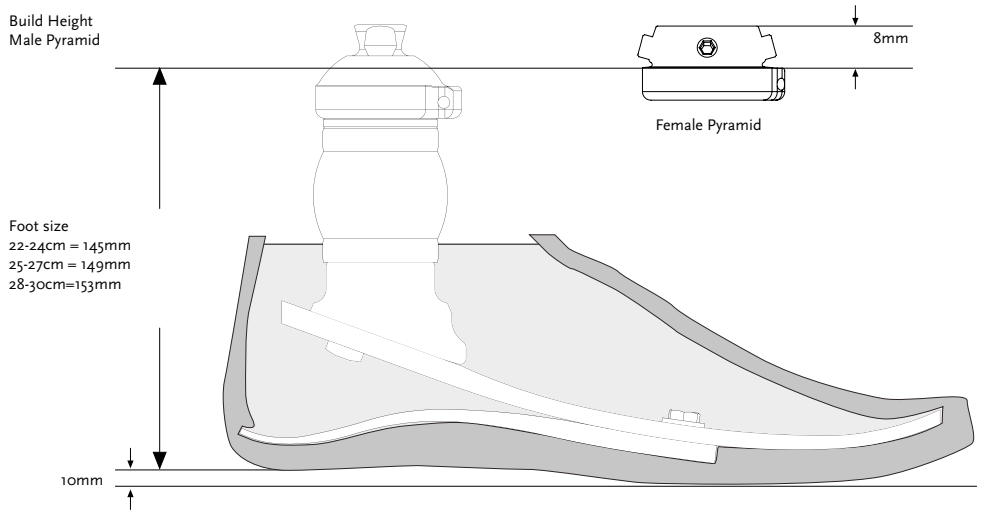
LP Rotate™ with EVO™

Category Selection Guide

Weight Kg

Impact Level	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147
Low	1	1	2	3	4	5	6	7	8
Moderate	1	2	3	4	5	6	7	8	N/A
High	2	3	4	5	6	7	8	N/A	N/A

Dimensions

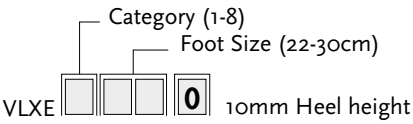


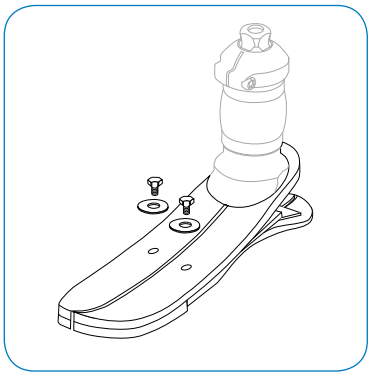
All measurements using 10mm heel height.

Kits

Part#

FOOT MODULE





Includes
- Foot Module
- Heel Module
- Heel Attachment Hardware
- Heel Wedges

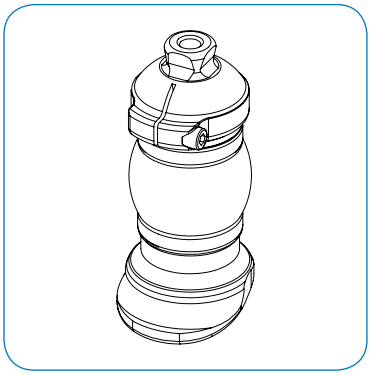
Note: Solid toe is a special order. Please call your Customer Care Representative on 08450 065 065.

LP Rotate™ with EVO™

Shock Modules and Rod Kits

SHOCK MODULE

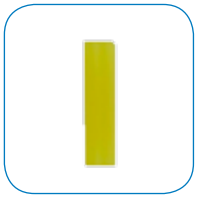
Part#	Pyramid	Foot Size	Cat.
LRP061	Male	22-24	1-6
LRP062	Male	25-30	1-6
LRP082	Male	25-30	7-8
LRF061	Female	22-24	1-6
LRF062	Female	25-30	1-6
LRF082	Female	25-30	7-8

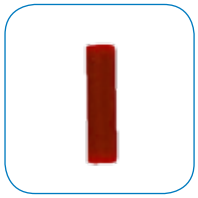


Includes: Shock module, Male/Female adapter, Rod Kit

ROD KIT

Part#	Cat.	Colour
LRX50005	1-3	Yellow
	4-6	Blue
	7-8	Red





* NB 3 rods in one pack

Components

PYRAMID ADAPTERS

Picture	Part#	Description	Material	Weight limit	Weight
1	A-835300	Male Pyramid	Titanium	147kg	83g
	A-900005	Pinch Bolt	Titanium	N/A	1g
2	A-845300	Female Pyramid	Titanium	166kg	75g

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LP Rotate™ with EVO™

Components

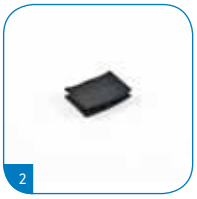
HEEL WEDGE KIT

Part#	Foot Size	Cat.
CM150011	22-30cm	1-8

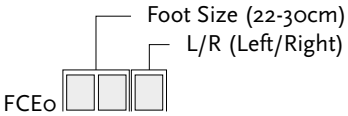
Includes
- 3 Wedges
- Adhesive

BOLTS

Picture	Part#	Description
1	CTL30012	Adjustment Plug
2	CM140003	Heel Divider
3	CM160016	Loctite 410 black



Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Attachment Plate
- Flex-Foot EVO Sock

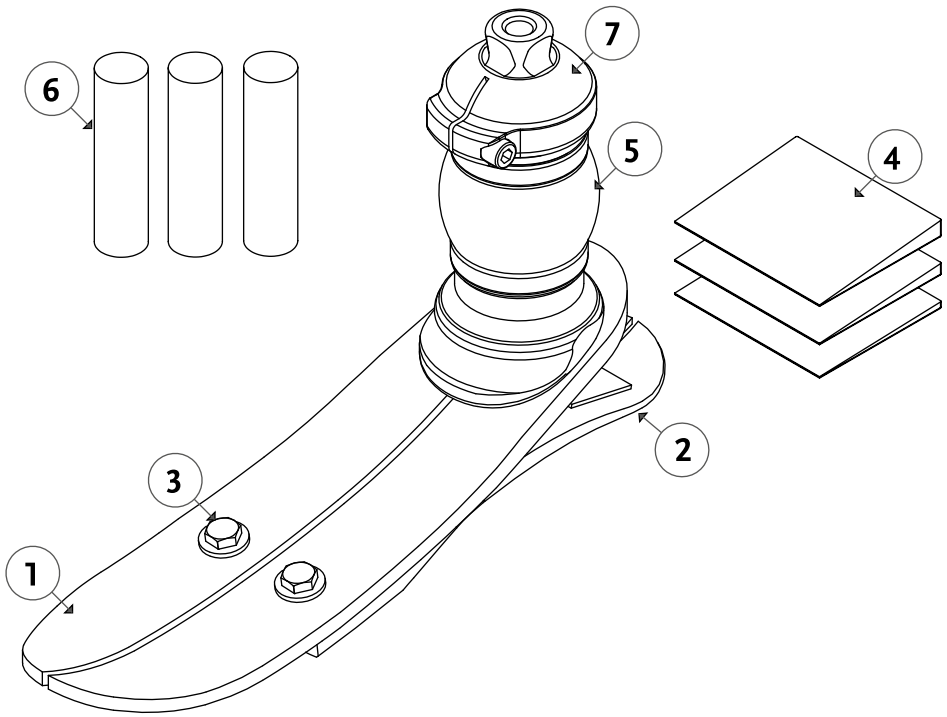
Part#	Description	Size
FCE63006	Flex-Foot EVO Sock	22-25cm
FCE63007	Flex-Foot EVO Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

LP Rotate™ with EVO™

Diagram



Picture	Description
1	Foot Module
2	Heel
3	Bolts
4	Heel Wedges
5	Shock Module
6	Rod Kit
7	Proximal Adapter

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Modular III™

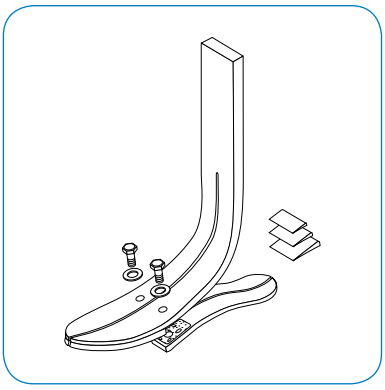
Introduction

- High energy storage and release
- Lightweight yet extremely strong for maximum performance
- Available in low and high heel options
- Active CarbonX® heel

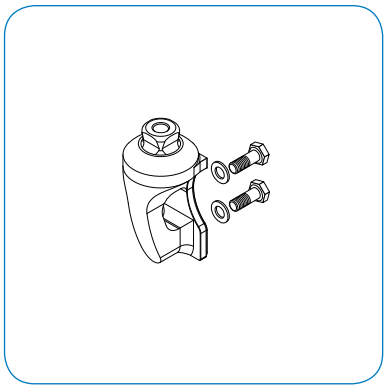
USER INFORMATION	
Maximum Patient Weight	166kg +
Impact Level	All
FOOT INFORMATION	
Categories	1-9 +
Sizes	22-30cm
Weight of the foot (Size 27)	403g
Features	

Full toe lever | Proportional response | Active tibial progression | Active heel | Split toe

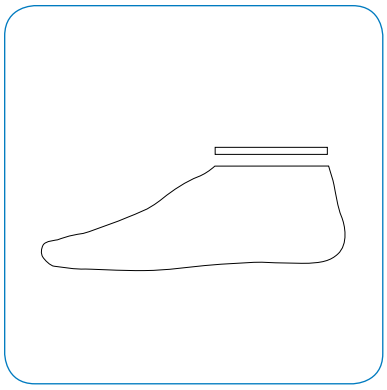
Modular III



Modular III kit



Bolt-on male pyramid



Foot cover kit

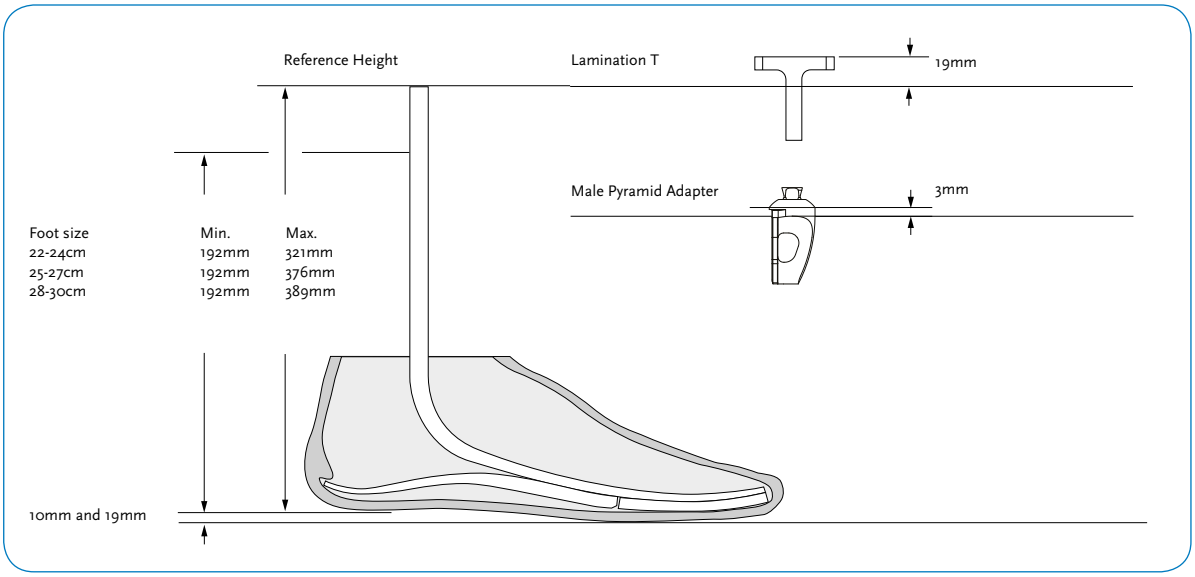
Modular III™

Category Selection Guide

Weight Kg

Impact Level	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147	148-166
Low	1	1	2	3	4	5	6	7	8	9
Moderate	1	2	3	4	5	6	7	8	9	Special order
High	2	3	4	5	6	7	8	9	Special order	Special order

Dimensions



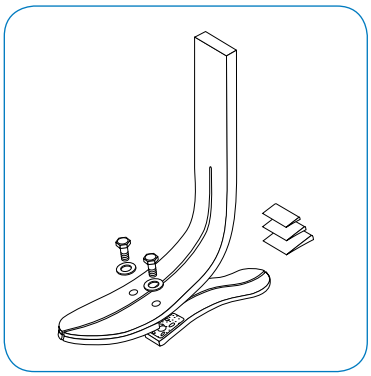
Kits

Part#

FOOT MODULE

Category (1-9)
Foot Size (22-30cm)
MDXo [ ][ ][ ][0] 10mm Heel height

Category (1-9)
Foot Size (22-30cm)
MDXo [ ][ ][ ][2] 19mm Heel height



Includes
- Foot Module
- Heel Module
- Heel Attachment Hardware
- Heel Wedges

Note: Solid toe is a special order. Please call your Customer Care Representative on 08450 065 065.

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Modular III™

Standard Adapters

BOLT-ON MALE PYRAMID ADAPTER (METRIC)

Part#	Weight	Cat.
FFC2210001	175g	1-6
FFC2210002	205g	7-9

Includes
- Pyramid (bolt centres 38mm)
- Hardware (M8 or M10 bolts)
- Loctite

ALUMINIUM T KITS

Part#	Weight	Cat.
MDX00020	360g	1-6
MDX00021	360g	7-9

Includes
- Aluminium T (bolt centres 25.4mm)
- Alignment Wedges
- Attachment Bolts
- M6 Bolts, Washers and Nuts
- Spherical and Round Washers
- Abrasive Pads
- Hex Nuts

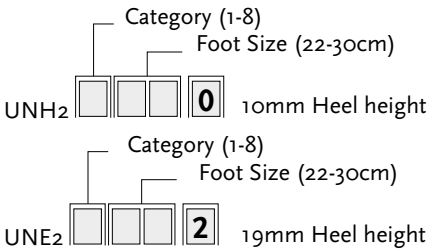
ALUMINIUM T CONNECTORS

Part#	Weight	Cat.
CM140326	360g	1-6
CM140327	360g	7-9

Components

Part#

HEEL FOOT MODULE



Part#	Description
MDX50007	Direct Lamination Kit Cat 10+

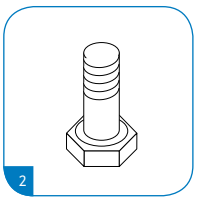
Includes
- Fibreglass Cloth
- Potting Epoxy

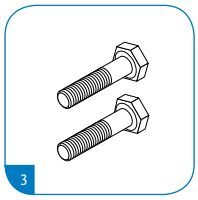
Modular III™

Standard Adapters

BOLTS

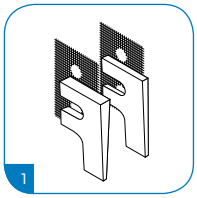
Picture	Part#	Description	Length	Size	Cat.
1	CM150004	Heel Fastener Hardware Kit (Bolts, Washer)	18mm	1/4"	1-6
	CM150005	Heel Fastener Hardware Kit (Bolts, Washer)	18mm	5/16"	7-9
2	CM130223	Attachment Bolt For Pyramid	35mm	M10	7-9
3	CM130237	Male Pyramid Connector Bolts	30mm	M8	1-6

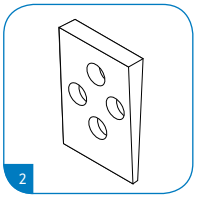




WEDGES

Picture	Part#	Description	Cat.
1	CM100203	Kit Temporary Slotted Wedge, Cat 1-9	1-9
2	CM150051	Alignment Wedges/Spacer Block Kit	1-6
	CM150052	Alignment Wedges/Spacer Block Kit	7-9





HEEL WEDGE KITS

Part#	Foot Size	Cat.
CM150006	22-27cm	1-9
CM150009	28-30cm	1-9

Includes
- 3 Wedges
- Adhesive

Picture	Part#	Description
1	CM160016	Loctite 410 black
2	CM140003	Heel Divider
3	CM160009	Kit 30z Potting Epoxy

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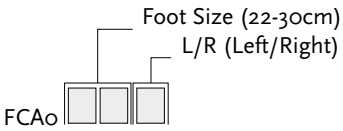
Modular III™

Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Attachment Plate
- Flex-Foot Sock

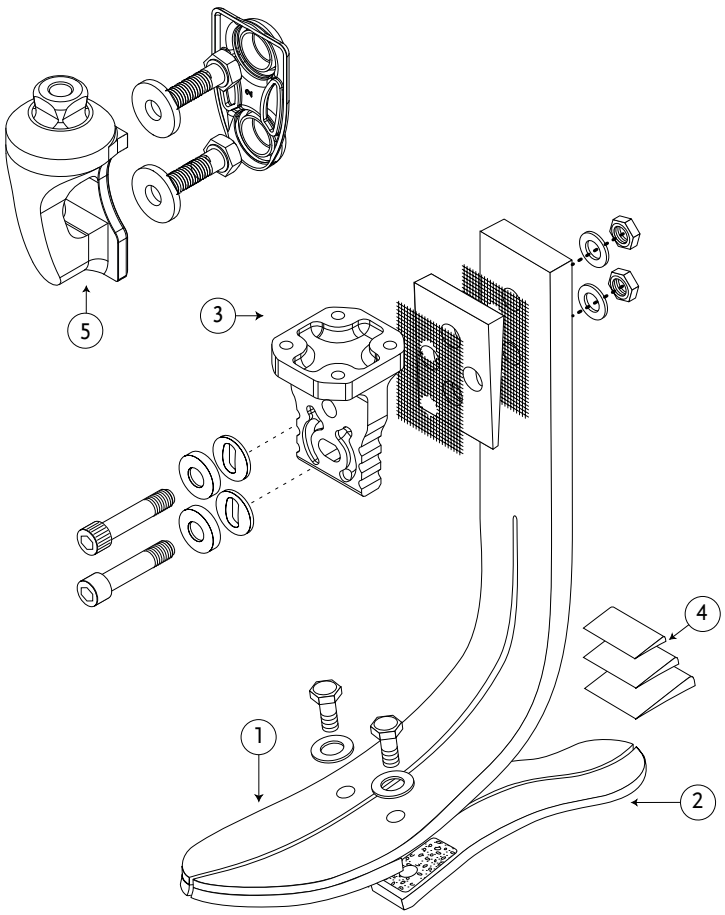
Part#	Description	Size
FCX63006	Flex-Foot Sock	22-25cm
FCX63007	Flex-Foot Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

Modular III™

Diagram



Picture	Description
1	Foot Module Kit
2	Low/High Heel
3	Aluminium T Connector
4	Wedge Kit
5	Bolt-on Male Pyramid

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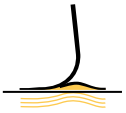
Re-Flex Shock™ with EVO™ NEW

Introduction

- Re-Flex Shock with EVO offers the best vertical shock absorption of all the Össur mechanical feet. With dynamic energy return and all around responsiveness the foot is a great choice for active users.
- The composite spring at the front is dedicated to reduce shear forces on the residual limb by offering optimal shock absorption that reduces impact subjected to the body. Enhancing both control and comfort during walking and other activities.
- Incorporation of the EVO feature enables users to experience natural gait progression by utilising the foot plate to its fullest potential. A more natural gait reduces fatigue and puts less strain on the lower back and sound side.



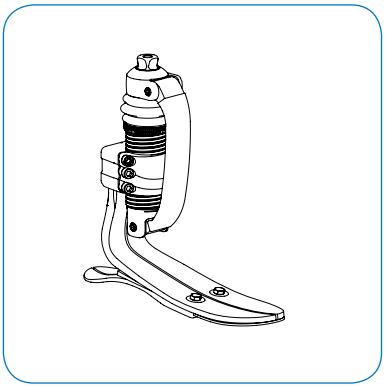
The EVO feature enables amputees to experience natural gait progression by utilising the foot plate to its fullest potential. A more natural gait reduces fatigue and puts less strain on the lower back and sound side

USER INFORMATION	
Maximum Patient Weight	166kg
Impact Level	Low to High
FOOT INFORMATION	
Categories	1-9
Sizes	22-30cm
Weight of the standard foot module (Size 27) with pyramid adapter and foot cover	1048g
Features	

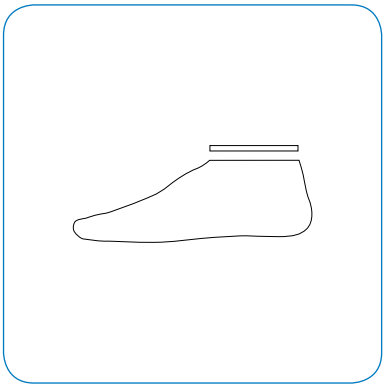
Full toe lever | Proportional response | Active tibial progression | Active heel | Vertical shock pylon

Split toe | EVO

Re-Flex Shock with EVO



Foot module (standard or tall profile)



and Foot cover kit

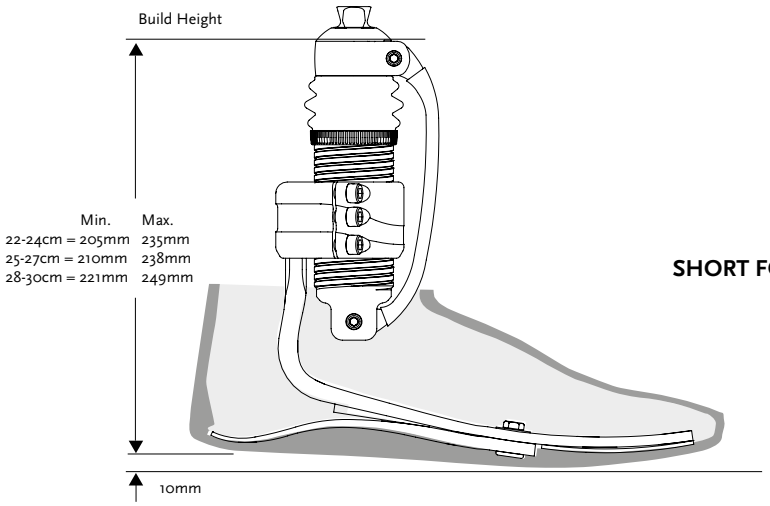
Re-Flex Shock™ with EVO™

Category Selection Guide

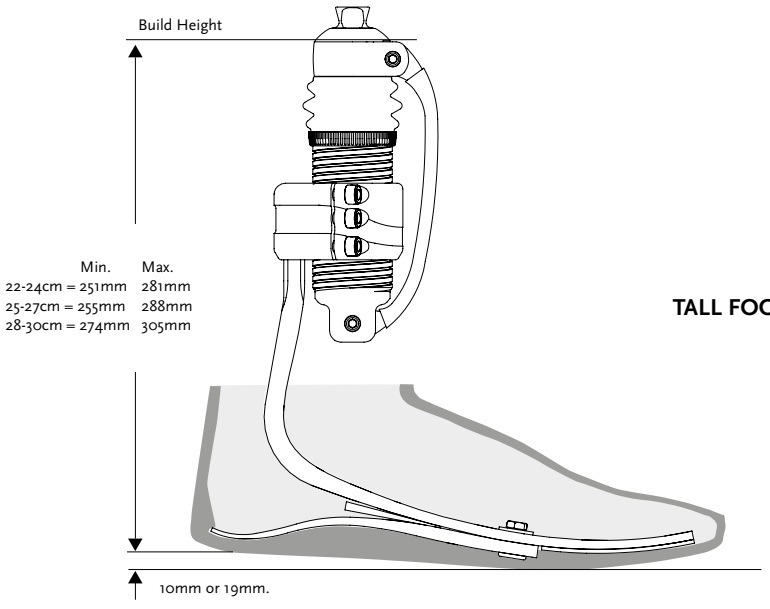
Weight (kg)

Impact Level	45-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147	148-166
Low	1	1	2	3	4	5	6	7	8	9
Moderate	1	2	3	4	5	6	7	8	N/A	N/A
High	2	3	4	5	6	7	8	N/A	N/A	N/A

Clearance



SHORT FOOT MODULE



TALL FOOT MODULE

All measurements using 10mm heel height.

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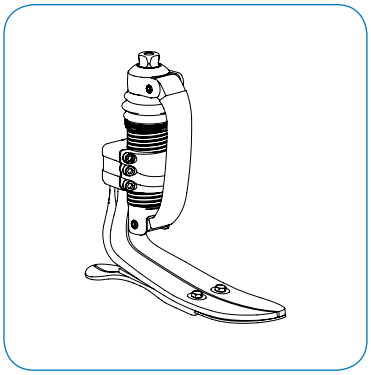
Re-Flex Shock™ with EVO™

Kits

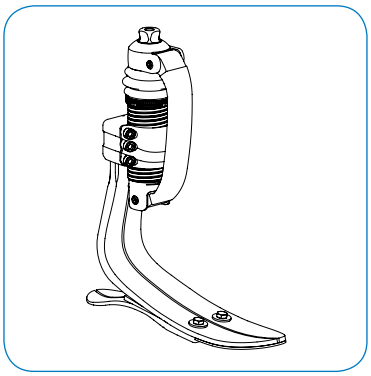
SHORT PROFILE WITH SHOCK AND MALE PYRAMID



Category (1-9)
Foot Size (22-30cm)
SSPE [ ][ ][ ][0] 10mm Heel height

Note: 19mm heel height for standard profile, foot size 25-30, available upon special order

TALL PROFILE WITH SHOCK AND MALE PYRAMID



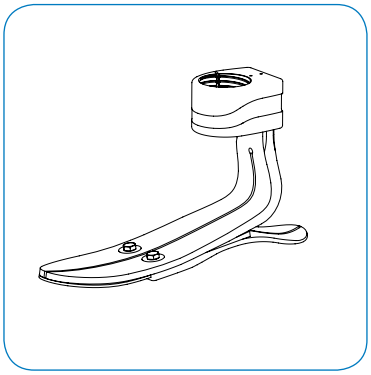
Category (1-9)
Foot Size (22-30cm)
SHPE [ ][ ][ ][0] 10mm Heel height

Category (1-9)
Foot Size (22-30cm)
SHPE [ ][ ][ ][2] 19mm Heel height

Includes:
- Foot Kit
- Shock Kit
- Heel Wedges
- Torque Wrench

Note: Solid toe is a special order

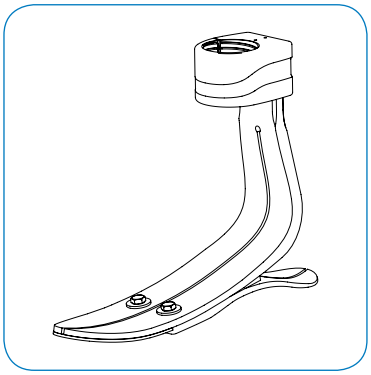
SHORT PROFILE WITHOUT SHOCK



Category (1-9)
Foot Size (22-30cm)
RSXE [ ][ ][ ][0] 10mm Heel height

Note: 19mm heel height for standard profile, foot size 25-30, available upon special order.

TALL PROFILE WITHOUT SHOCK



Category (1-9)
Foot Size (22-30cm)
RHXE [ ][ ][ ][0] 10mm Heel height

Category (1-9)
Foot Size (22-30cm)
RHXE [ ][ ][ ][2] 19mm Heel height

Includes
- Foot Kit
- Torque Wrench

Note: Solid toe is a special order. Please call your Customer Care Representative on 08450 065 065.

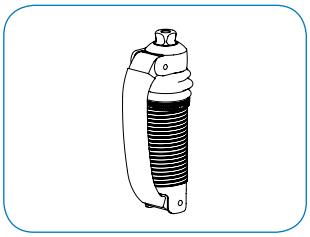
Re-Flex Shock™ with EVO™

Kits

SHOCK KITS

Category (1-9)

RSP0 [ ] 0



Includes:
- Male pyramid shock module, front spring
- Loctite

Components

HEEL WEDGE KITS

Part#	Size	Cat.
CM150011	22-30cm	1-9

Includes
- 3 Wedges
- Adhesive

Part#	Description
CM160025	Loctite 243
RSS00001	Pin Kit
RSS40011	Bellow
RSS40012	Collar

Tools

Part#	Description
FFC7980001	Torque Wrench 3Nm Preset

Cosmetic Finishing

Foot Size (22-30cm)

FCE0 [ ][ ][ ] L/R (Left/Right)

Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Attachment Plate
- Flex-Foot EVO Sock

Part#	Description	Size
FCE63006	Flex-Foot EVO Sock	22-25cm
FCE63007	Flex-Foot EVO Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

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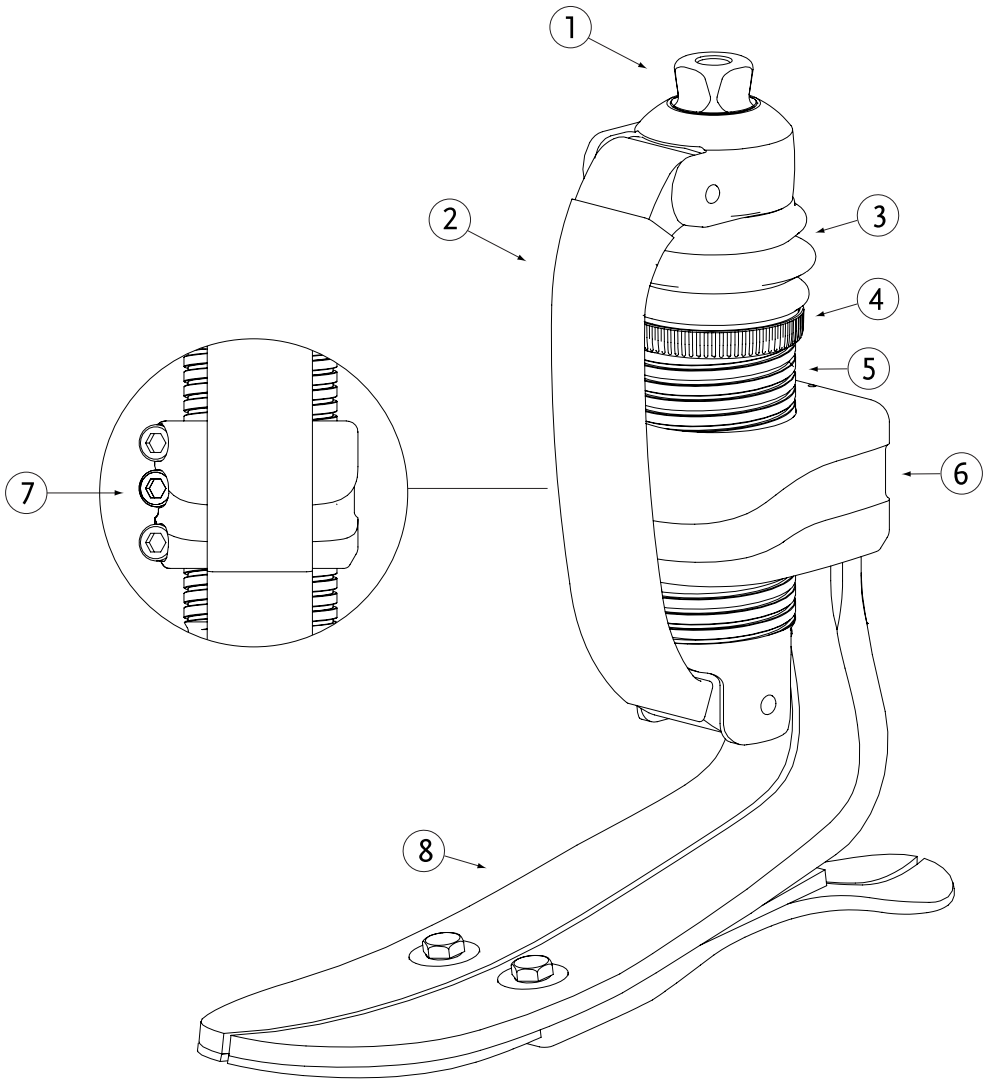
Re-Flex Shock™ with EVO™

Diagram



Picture	Description
1	Male Pyramid
2	Front Spring
3	Bellow
4	Collar
5	Threaded Outer Tube
6	Fixed Attachment
7	Attachment Clamp Screws
8	Foot Module

Elation®

Introduction

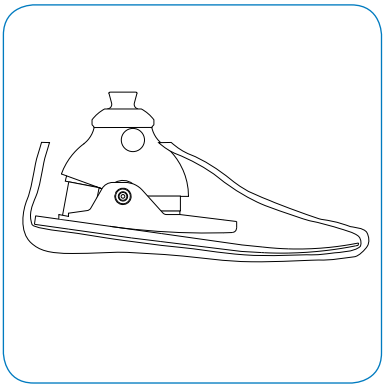
Elation offers precision heel height adjustment to match the foot to the chosen shoe - over a range from 0 - 5cm. Adjustment is simple and secure.

- Heel height adjustable foot: 0 - 5cm
- Energy storing with progressive stiffening
- Cosmetically appealing cover with sandal toe
- Easy to use

USER INFORMATION	
Maximum Patient Weight	100kg
Impact Level	Low and Moderate
FOOT INFORMATION	
Sizes	22-28cm
Weight of the foot (Size 25) with male pyramid	625g
Features	

Full toe lever | Proportional response | Adjustable heel height | Sandal toe

Elation with male pyramid



Elation kit with male pyramid

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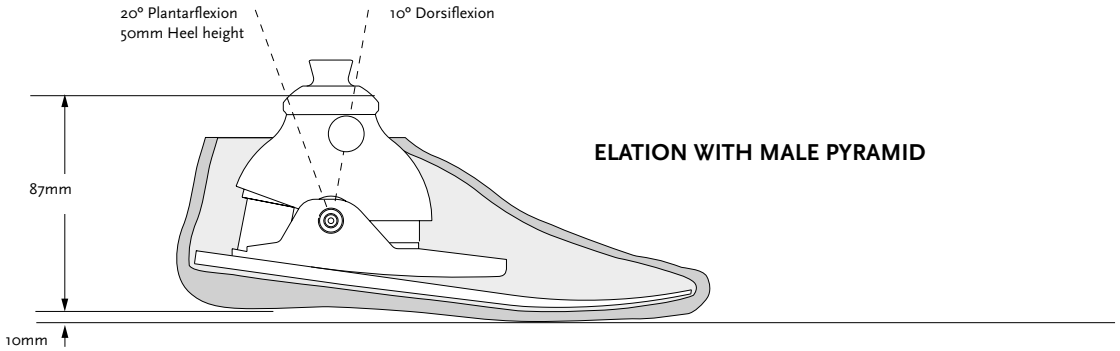
Elation®

Dimensions



ELATION WITH MALE PYRAMID

All measurements using 10mm heel height.

Kits

Part#

ELATION KIT WITH MALE PYRAMID

ELPoo [ ][ ][ ] Foot Size (22-30cm) L/R (Left/Right)

ELATION KIT WITH TUBE CLAMP

ELToo [ ][ ][ ] Foot Size (22-30cm) L/R (Left/Right)

Includes
- Foot/Ankle module fully assembled with front and rear bumpers (black rear bumper) with bonded foot cover
- 3 extra rear bumpers (green, red and orange) included

*For Elation with brown foot cover add "BR" to the part#.

Elation®

Components

MALE PYRAMID ANKLE KIT

Left Foot	Right Foot	Foot Size
ELP00001	ELP00002	22-23cm
ELP00003	ELP00004	24-25cm
ELP00005	ELP00006	26-28cm

TUBE CLAMP ANKLE KIT

Left Foot	Right Foot	Foot Size
ELT00001	ELT00002	22-23cm
ELT00003	ELT00004	24-25cm
ELT00005	ELT00006	26-28cm

Includes
- Ankle for Elation foot module with front and rear bumpers (black rear bumper)
- 3 extra bumpers (green, red and orange)
- Attachment Hardware

FOOT MODULE

Includes
- Foot Module integrated into foot cover

*For Elation with brown foot cover add "BR" to the part#.

BUMPERS

Part#	Description
ELP0000F	Front Bumper (one double durometer bumper)
ELP0000K	Rear Bumper Kit (Green, Black, Red and Orange bumpers, one of each colour)
ELP0000G	Rear Bumper Green, Soft
ELP0000B	Rear Bumper Black, Medium
ELP0000R	Rear Bumper Red, Firm
ELP0000A	Rear Bumper Orange, Extra Firm

HARDWARE KITS

Part#	Foot Size
ELX50001	22-25cm
ELX50002	26-28cm

Includes
- 2 x Bolts
- 2 x Washer
- Loctite

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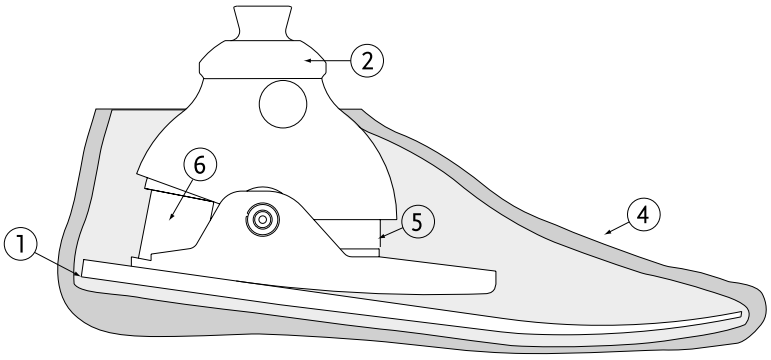
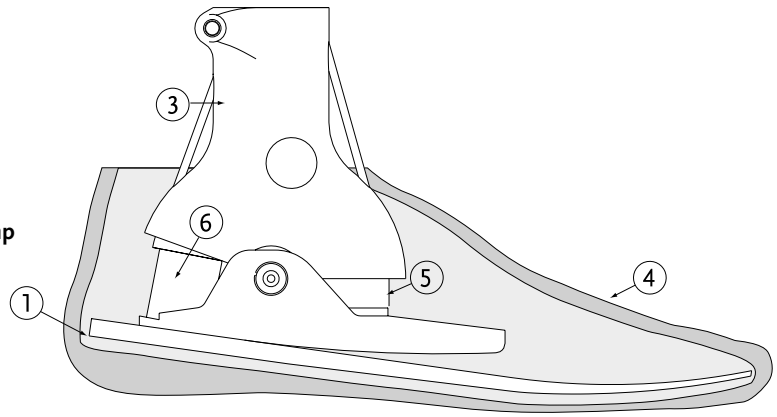
Elation®

Diagram

Elation with pyramid



Elation with tube clamp



Picture	Description
1	Foot module
2	Elation with pyramid
3	Elation with tube clamp
4	Foot cosmesis
5	Front bumper
6	Rear bumper

Flex-Symes™

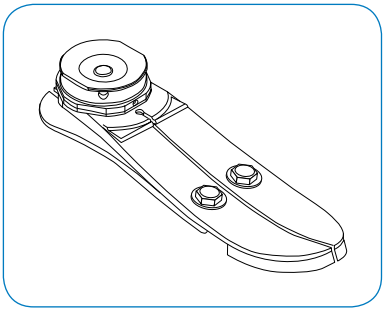
Introduction

- Specifically designed for Symes users
- CarbonX® Active Heel
- Lightweight and very low build height
- Circular alignment wedges allow 6° angulation

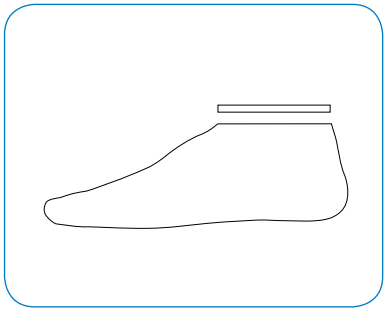
USER INFORMATION		
Maximum Patient Weight		166kg
Impact Level		All
FOOT INFORMATION		
Categories	1-6	1-9
Sizes	22-24cm	25-30cm
Weight of the the foot (Size 25) with socket adapter		350g
Features		

Full toe lever | Proportional response | Active heel | Split toe

Flex-Symes with Socket Adapter

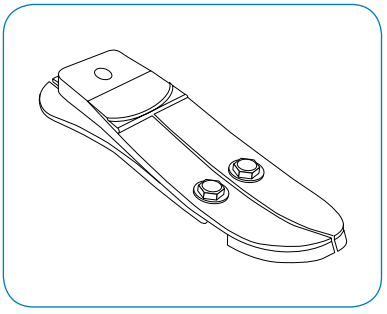


Flex-Symes kit with socket adapter

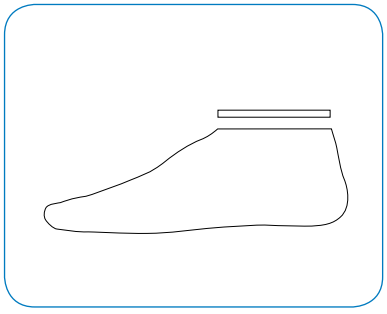


Foot cover kit

Flex-Symes without adapter



Flex-Symes kit without adapter



Foot cover kit

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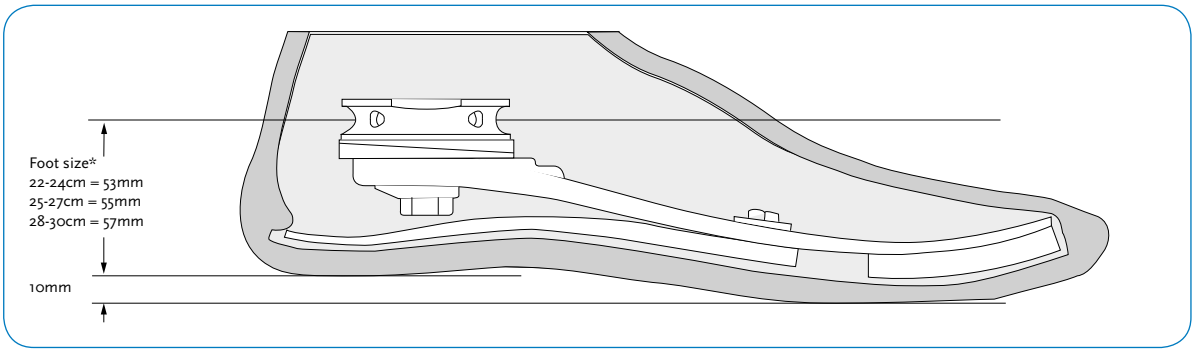
Flex-Symes™

Category Selection Guide

Weight Kg

Impact Level	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147	148-166
Low	1	1	2	3	4	5	6	7	8	9
Moderate	1	2	3	4	5	6	7	8	9	Special order
High	2	3	4	5	6	7	8	9	Special order	Special order

Dimensions



All measurements using 10mm heel height.

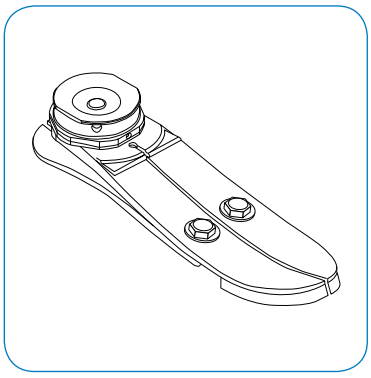
Kits

Part#

FLEX-SYMES KIT WITH SOCKET ADAPTER

Category 1-5 (Size 22-24), 1-9 (Size 25-30)
Foot Size (22-30cm)

SLP0 [ ][ ][ ][0] 10mm Heel height

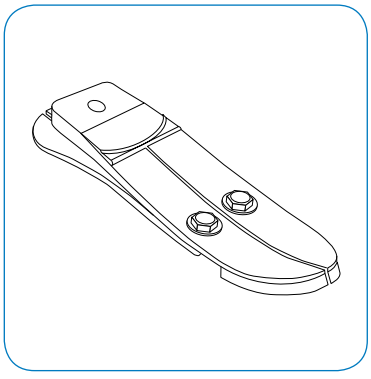


Includes
- Carbon foot module with heel
- 2 Circular alignment wedges
- 2 Alignment pins
- 1 Anti rotation bolt
- Washer
- Loctite 410
- Potting Epoxy
- Socket adapter

FLEX-SYMES KIT WITHOUT ADAPTER

Category 1-5 (Size 22-24), 1-9 (Size 25-30)
Foot Size (22-30cm)

SLX0 [ ][ ][ ][0] 10mm Heel height



Includes
- Carbon foot module with heel
- 2 Alignment pins
- 1 Anti rotation bolt
- Washer
- Loctite 410
- Potting Epoxy

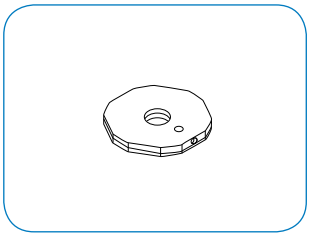
Note: Solid toe is a special order. Please call your Customer Care Representative on 08450 065 065.

Flex-Symes™

Components

ALIGNMENT DISC KIT

Part#	Foot Size	Cat.
SLP30001	22-24cm	1-6
SLP30002	25-27cm	1-6
SLP30003	28-30cm	1-6
SLP30004	25-27cm	7-9
SLP30005	28-30cm	7-9



Includes
- 2 Circular aligment wedges
- 2 Alignment pins
- 1 Anti rotation bolt
- Washer
- Loctite 410

LAMINATION KIT

Part#	Foot Size	Cat.
SLP30011	22-24cm	1-6
SLP30012	25-27cm	1-6
SLP30013	28-30cm	1-6
SLP30014	25-27cm	7-9
SLP30015	28-30cm	7-9

Includes
- Socket adapter with insert
- Potting Epoxy

SOCKET ADAPTER WITH INSERT

Part#	Cat.	Foot Size
SLX50001	(1-6)	22-24cm
SLX50002	(1-6)	25-27cm
SLX50003	(1-6)	28-30cm
SLX50004	(7-9)	25-27cm
SLX50005	(7-9)	28-30cm

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Flex-Symes™

Components

HEEL FASTENER HARDWARE KIT

Part#	Length	Size	Cat.
CM150004	18mm	1/4”	1-6
CM150005	18mm	5/16”	7-9

Includes
- Bolt
- Washer

CENTRAL BOLTS

Part#	Foot Size	Bolt Size	Cat.
SLX30021	22-27cm	M12	1-6
SLX30022	25-27cm	M14	7-9
SLX30022	28-30cm	M14	1-6
SLX30023	28-30cm	M16	7-9

ANTI ROTATION BOLT KIT

Part#	Foot Size	Bolt Size
SLX30005	22-27cm	M6
SLX30007	22-30cm	M8

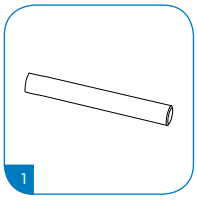
Includes
- Bolt
- Washer

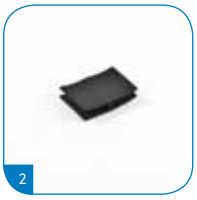
HEEL WEDGE KIT

Part#	Foot Size	Cat.
CM150011	22-30cm	1-9

Includes
- 3 Wedges
- Adhesive

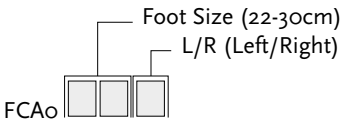
Picture	Part#	Description
1	SLX30006	Alignment Pin
2	CM140003	Heel Divider
3	CM160009	Potting Epoxy





Flex-Syme™

Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Attachment Plate
- Flex-Foot Sock

Part#	Description	Size
FCX63006	Flex-Foot Sock	22-25cm
FCX63007	Flex-Foot Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

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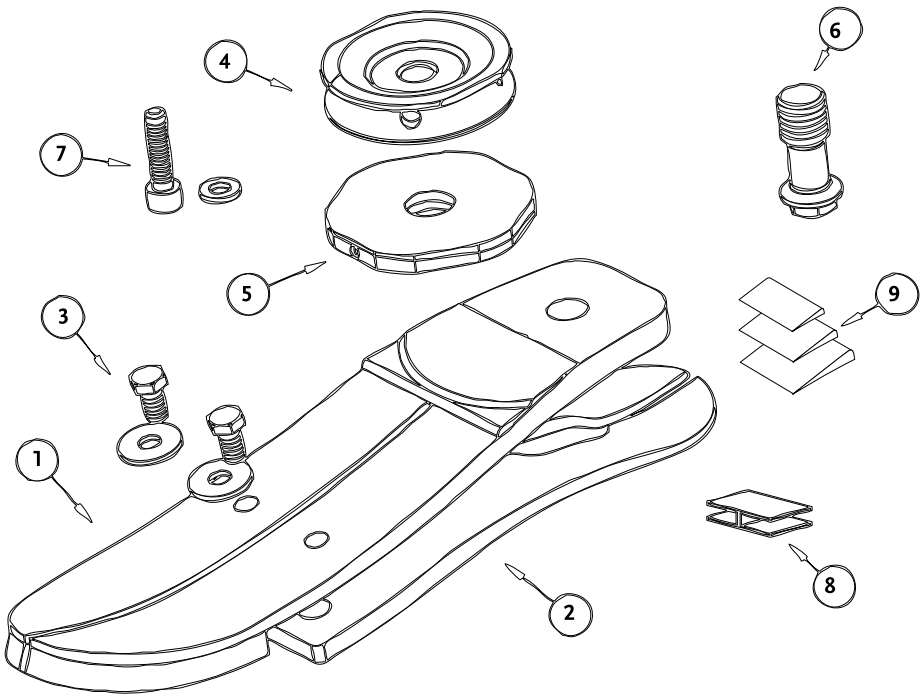
Flex-Symes™

Diagram



Picture	Description
1	Foot module
2	Heel
3	Heel Fastener Hardware Kit
4	Socket adapter
5	Alignment disk kit
6	Central bolt
7	Anti rotation bolt kit
8	Heel divider
9	Heel wedge kit

Flex-Foot® Junior

Introduction

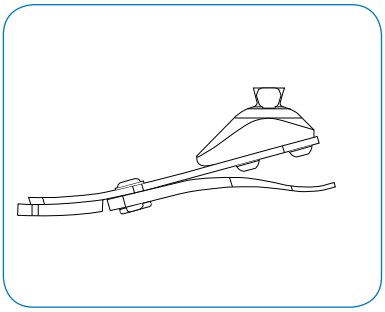
Flex-Foot Junior is a low profile and energy storing foot module with integrated male pyramid.
The shape of the male pyramid contributes to progressive stiffening of the foot and the layering of the carbon fibre is specifically designed to offer the support and flexibility needed for the active lifestyle of children.

- Foot module deflection proportional to childrens gait patterns
- Full length keel
- Sandal toe
- 10mm heel height

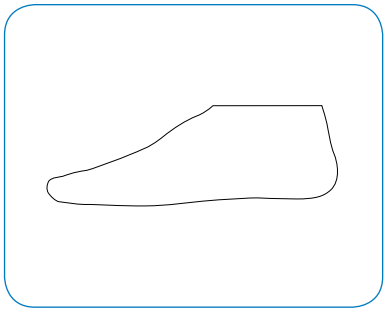
USER INFORMATION	
Maximum Patient Weight	45kg
FOOT INFORMATION	
Categories	1-3
Sizes	16-21cm
Weight of the the foot (Size 21) with male pyramid	180g
Features	

Full toe lever | Active heel | Sandal toe

Flex-Foot Junior



Flex-Foot Junior kit



Foot cover kit

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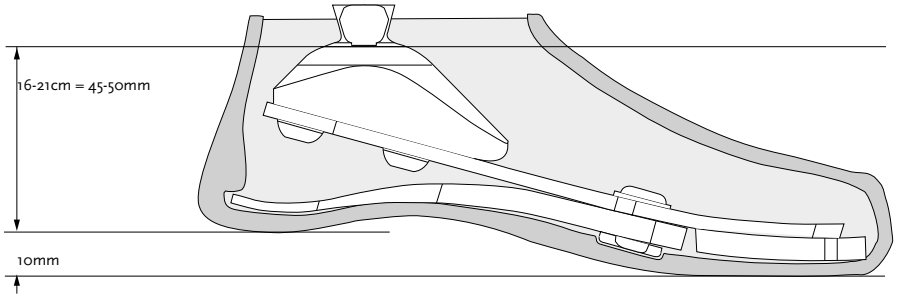
Flex-Foot® Junior

Category Selection Guide

	Foot Size					
Weight Kg	16	17	18	19	20	21
15-24kg	1	1	1	1		
25-34kg			2	2	2	2
35-45kg					3	3

The foot is recommended for daily activities involving rigorous and repetitive actions that are typical for a child and at moderate to high levels of impact on the prosthesis. For example: Jumping, climbing and running.

Dimensions

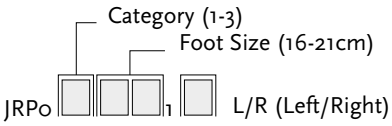


All measurements using 10mm heel height.

Kits

Part#

FLEX-FOOT JUNIOR KIT WITH MALE PYRAMID



Includes
- Toe Cushion
- Foot Module
- Heel Module
- Heel Fasteners
- Heel Wedges
- Male Pyramid

Components

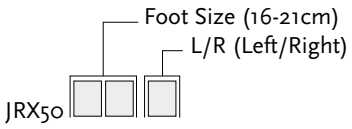
JUNIOR HEEL WEDGE KIT

Part#	Foot Size	Cat.
CM150017	16-21cm	1-3

Includes
- 3 Wedges
- Adhesive

Flex-Foot® Junior

Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.
Brown Junior foot covers are special orders.

Includes
- Foot Cover
- Flex-Foot Sock

Part#	Description	Size
FCX63008	Flex-Foot Sock	16-21cm

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Chopart™

Introduction

- 100% Carbon Fibre, biaxial weave keel
- Fits into standard foot covers
- Suitable for Chopart, Lisfranc or metatarsal amputations

USER INFORMATION	
Maximum Patient Weight	147kg
Impact Level	All
FOOT INFORMATION	
Categories	1-8
Sizes	22-30cm

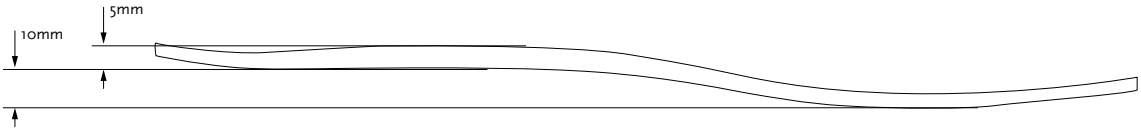
Category Selection Guide

Weight Kg

Impact Level	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147
Low	1	1	2	3	4	5	6	7	8
Moderate	1	2	3	4	5	6	7	8	Special order
High	2	3	4	5	6	7	8	Special order	Special order

Chopart foot plates are a standard order in the following sizes and categories:
Sizes 22-24 in categories 1-5
Sizes 25-26 in categories 2-6
Sizes 27-28 in categories 3-7
Sizes 29-30 in categories 4-8
For information on special or custom orders, please contact Customer Care on 08450 065 065.

Dimensions



Kits

Part#

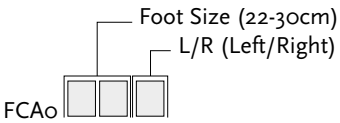
CHOPART KIT

CHPoo [ ][ ]
Category (1-8)
Foot Size (22-30cm)

Includes
- Graphite Foot Plate
- Cloth Kit
- Potting Epoxy

Chopart™

Cosmetic Finishing



Please specify when ordering brown covers. Add "BR" to the part#.

Includes
- Foot Cover
- Flex-Foot Sock

Part#	Description	Size
FCX63006	Flex-Foot Sock	22-25cm
FCX63007	Flex-Foot Sock	26-30cm

Part#	Description
CM100068	Shoe Horn

See page 116 for details on cosmetic finishing options.

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Flex-Run™ with Nike Sole

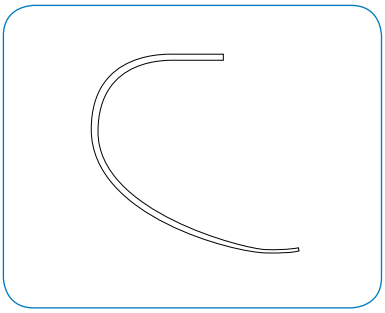
Introduction

- The Flex-Run with Nike Sole offers unmatched performance and efficiency for amputees and prosthetists. Össur and Nike have partnered to design the ideal running foot from the ground up, leveraging Össur's unmatched expertise in running prosthetics with Nike's world renowned traction and sole technologies.
- The improved Flex-Run features a longer toe lever and efficient energy return. The Nike Sole offers great traction to help improve performance for the runner while improving efficiency and results for the prosthetist.
- Flex-Run with Nike Sole is appropriate for Transfemoral and Transtibial users participating in high impact activities such as recreational jogging, trail running, distance running and triathlons.
- Custom foot module for long distance running and recreational sports
- Lightweight, vertical compliance, efficient energy return
- Bolt-on male or female pyramid

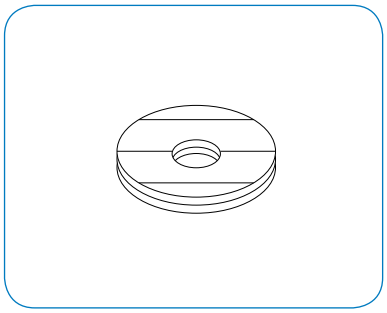
USER INFORMATION	
Maximum Patient Weight	130kg
Impact Level	High to Extreme
FOOT INFORMATION	
Categories	1-9
Weight of the the foot (Size 21) with sole and male pyramid	694g
Features	

Full toe lever | Proportional response | Active tibial progression | Vertical shock pylon

Flex-Run



Flex-Run kit



Attachment plate

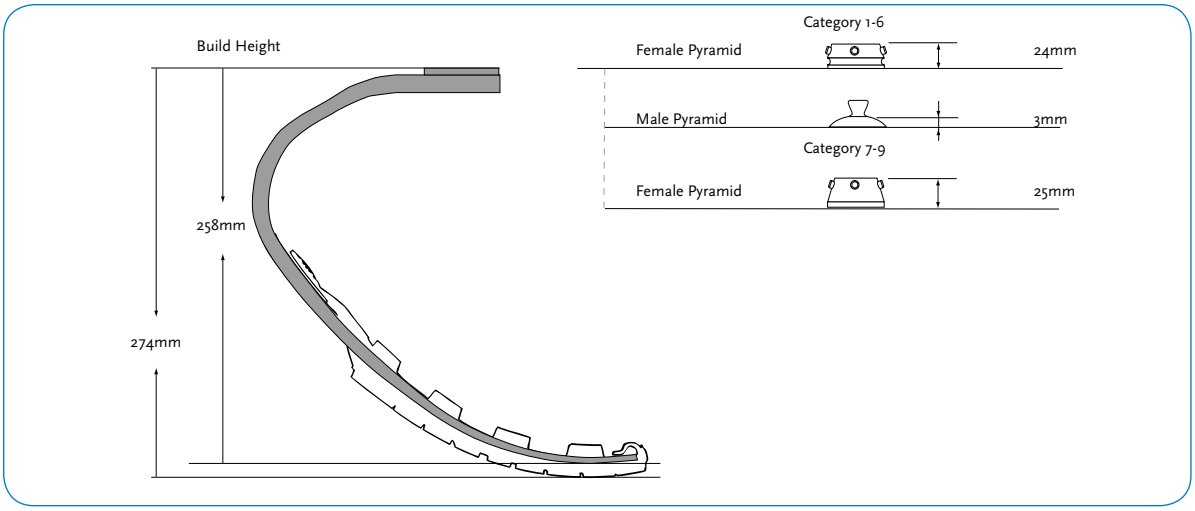
Flex-Run™ with Nike Sole

Category Selection Guide

Weight Kg

	37-44	45 -52	53-59	60-68	69-77	78-88	89-100	101-116	117-130
Category	1	2	3	4	5	6	7	8	9

Dimensions

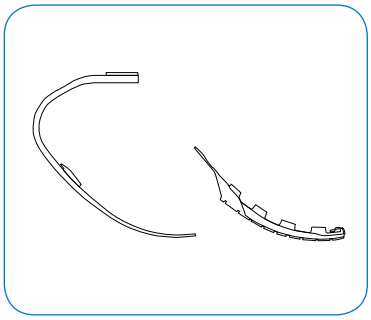


Kits

Part#

FLEX-RUN KIT

FSX008 — Category (1-9); HI / LO (High/Low)

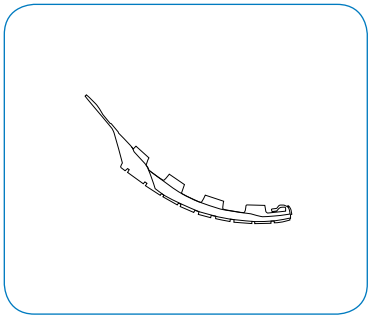


Flex-Run is a special order and is excluded from the trial period. Trial feet are available on request, please call your Customer Care Representative on 08450 065 065.

Includes:
- Foot Module
- Attachment Plate (can be supplied bonded on the foot upon request)
- Nike Sole
- Bag for Nike Sole

NIKE SOLE KIT

Part#	Description	Cat.
CM150163	Nike Sole Kit	1-9



Includes:
- Nike Sole
- Medallion
- Loctite
- Bag for Nike Sole

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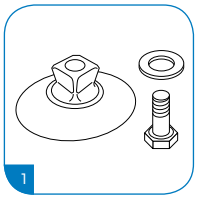
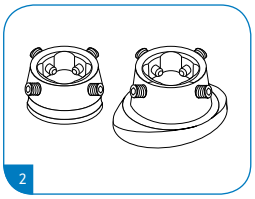
Flex-Run™ with Nike Sole

Kits

FOOT ADAPTER SETS

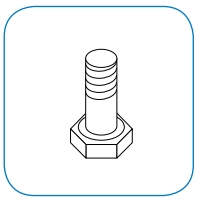
Picture	Part#	Description	Weight	Bolt Size	Cat.
1	FWX00030	Male Pyramid Foot Adapter Set	75g	M10 x 30mm	1-6
2	CM150161	Female Pyramid Foot Adapter Set	100g	M10 x 35mm	1-6
	CM150162	Female Pyramid Foot Adapter Set	186g	M12 x 50mm	7-9





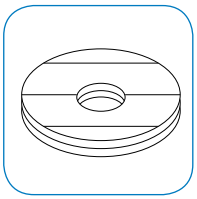
REPLACEMENT BOLT

Part#	Size	Cat.
CM130221	M10	1-6
CM130225	M12	7-9



Components

Part#	Description	Cat.
FWX40001	Attachment Plate	2-6
FWX40002	Attachment Plate	7-9



Flex-Run™ Junior

Introduction

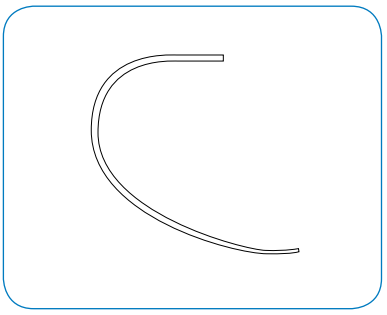
- Lower build height than standard Flex-Run
- Custom foot module for long distance running and recreational sports
- Lightweight, vertical compliance, efficient energy return
- Bolt-on male or female pyramid

USER INFORMATION	
Maximum Patient Weight	84kg
Impact Level	High to Extreme
FOOT INFORMATION	
Categories	1-6
Weight of the the foot (Size 21) with male pyramid	336g
Features	

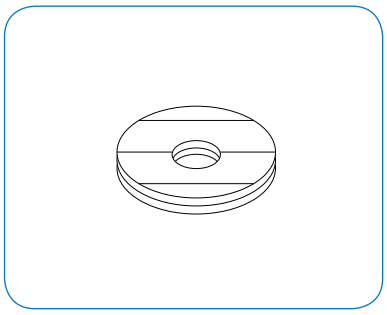
Proportional response

Active tibial progression

Flex-Run Junior



Flex-Run kit



Attachment plate

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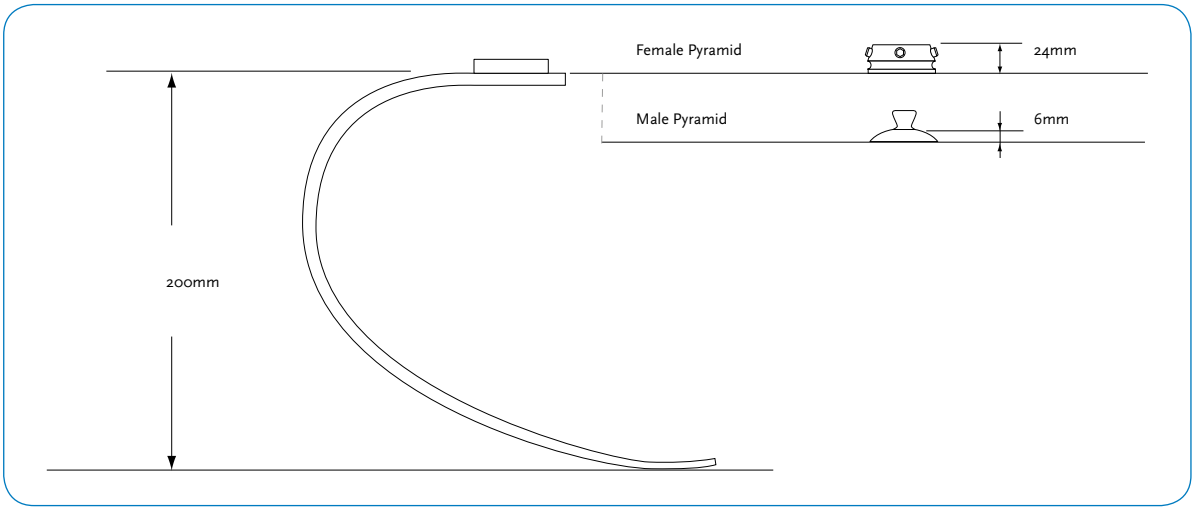
Flex-Run™ Junior

Category Selection Guide

	Weight Kg					
	15-24	25-34	35-45	46-56	57-67	68-84
Category	1	2	3	4	5	6

Dimensions



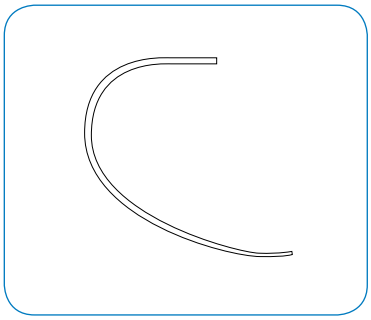
Kits

Part#

FLEX-RUN KIT

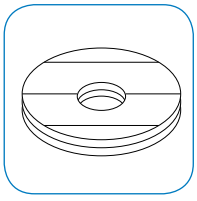
FSX007 Category (1-6)

Flex-Run is a special order and is excluded from the trial period.



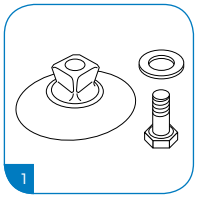
Components

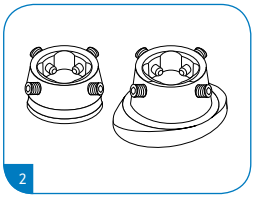
Part#	Description	Cat.
FWX40001	Attachment Plate	1-6



FOOT ADAPTER SETS

Picture	Part#	Description	Weight	Bolt Size	Cat.
1	FWX00030	Male Pyramid Foot Adapter Set	75g	M10 x 30mm	1-6
2	CM150161	Female Pyramid Foot Adapter Set	100g	M10 x 35mm	1-6



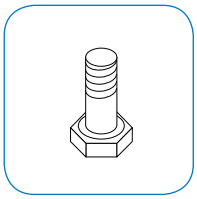


Flex-Run™ Junior

Components

REPLACEMENT BOLT

Part#	Size	Cat.
CM130221	M10	1-6



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Flex-Sprint™

Introduction

- Custom foot module for track sprinting
- Ideal for transfemoral amputees
- One adult foot size
- L-bracket connector with 4-hole pattern for easy knee connection

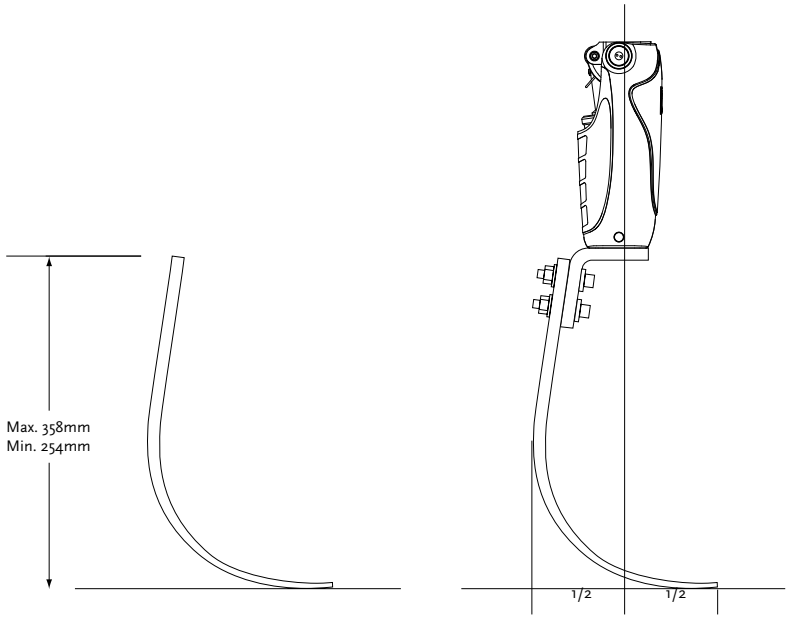
USER INFORMATION	
Maximum Patient Weight	147kg
Impact Level	High
FOOT INFORMATION	
Categories	1-9

Category Selection Guide

Weight Kg

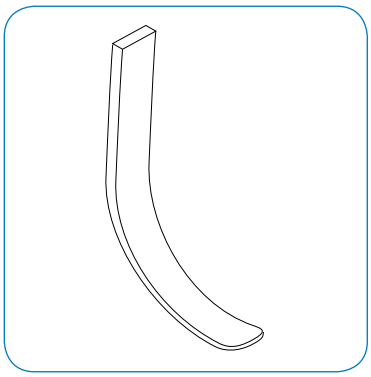
	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147
Category	1	2	3	4	5	6	7	8	9

Dimensions



Flex-Sprint™

Kits



Part#

FLEX-SPRINT KIT

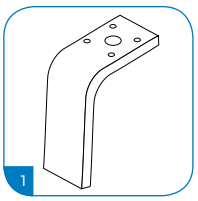
FSX002 Category (1-9)

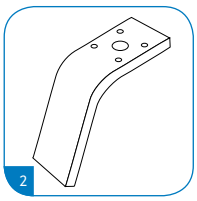
Flex-Sprint is a special order and is excluded from the 60-day trial period.

Components

L-BRACKET WITHOUT INSERTS

Picture	Part#	Description	Cat.
1	FSX50005	5° L-Bracket without Inserts	1-6
2	FSX50006	20° L-Bracket without Inserts	1-6

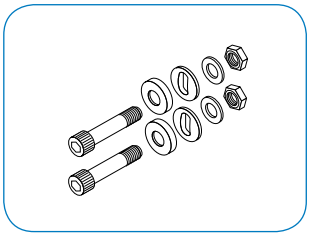




Includes
- L-Bracket without inserts
- Pyramid Attachment Hardware
- Alignment Wedges
- Alignment Hardware

HARDWARE KIT FOR T CONNECTORS

Part#	Weight	Size	Cat.
CM100054	108g	5/16" x 2-1/2"	1-6
CM100055	144g	3/8" x 2-1/2"	7-9



Includes
- Bolts
- Nuts
- Spherical Washer
- Flat Washer

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Cheetah®

Introduction

- Custom foot module for track sprinting
- Ideal for transtibial amputees
- Attaches to posterior of the socket
- Lamination connector for clearance less than 250mm
- Pylon connector for clearance greater than 250mm
- One adult foot size

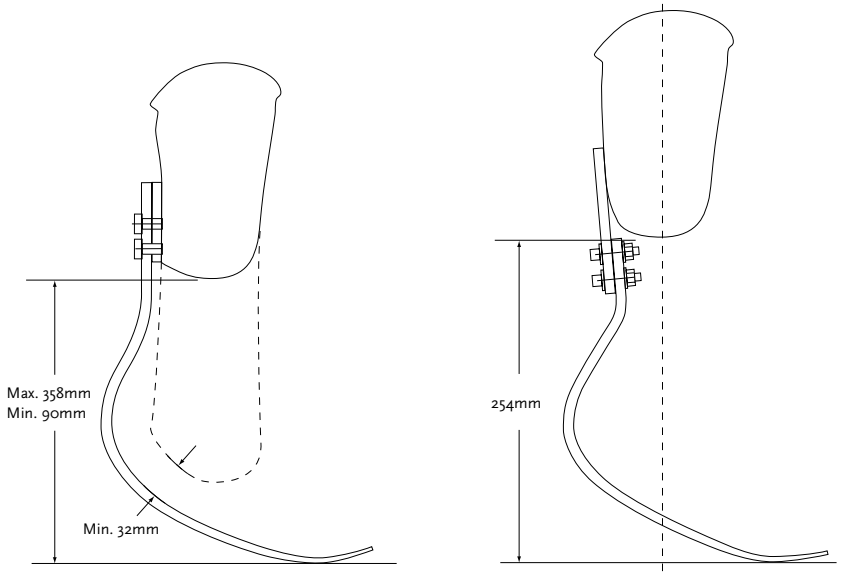
USER INFORMATION	
Maximum Patient Weight	147kg
Impact Level	High
FOOT INFORMATION	
Categories	2-9

Category Selection Guide

Weight Kg

	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147
Category	2	3	4	5	6	7	8	9

Dimensions

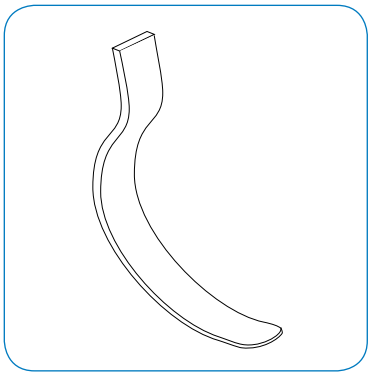


Cheetah®

Kits

Part#

CHEETAH KIT



FSX004 Category (2-9)

Cheetah is a special order and is excluded from the 60-day trial period.

Components

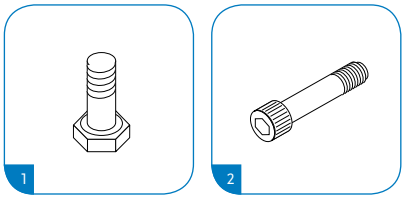
CONNECTOR KIT

Picture	Part#	Description	Cat.
1	FSX50001	Lamination Connector Kit	2-6
1	FSX50002	Lamination Connector Kit	7-9
2	FSX50003	Pylon Connector Kit	2-6
2	FSX50004	Pylon Connector Kit	7-9

Includes
- Connector
- Alignment Wedges
- Attachment Hardware (4)
- Lamination Kit

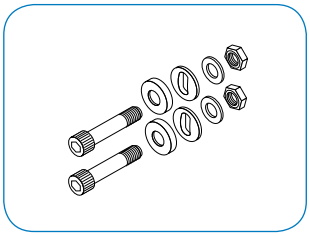
ATTACHMENT BOLT

Picture	Part#	Description	Size	Cat.
1	CM130218	Attachment Bolt for Lamination Connector	5/16"-24 x 1-1/2"	2-6
1	CM130213	Attachment Bolt for Lamination Connector	3/8"-24 x 1-3/4"	7-9
2	CM130305	Attachment Bolt for Pylon Connector	5/16"-24 x 1-1/2"	2-6
2	CM130304	Attachment Bolt for Pylon Connector	3/8"-24 x 1-3/4"	7-9



HARDWARE KIT FOR T CONNECTORS

Part#	Weight	Size	Cat.
CM100054	108g	5/16" x 2-1/2"	2-6
CM100055	144g	3/8" x 2-1/2"	7-9



Includes
- Bolts
- Nuts
- Spherical Washer
- Flat Washer

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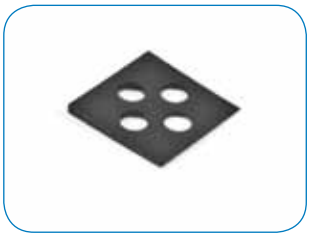
Cheetah®

Components

ALIGNMENT WEDGES

Part#	Description	Cat.
CM140502	Alignment Wedges 2°	2-9
CM140505	Alignment Wedges 4°	2-9
CM140508	Alignment Wedges 6°	2-9
CM140511	Alignment Wedges 8°	2-9



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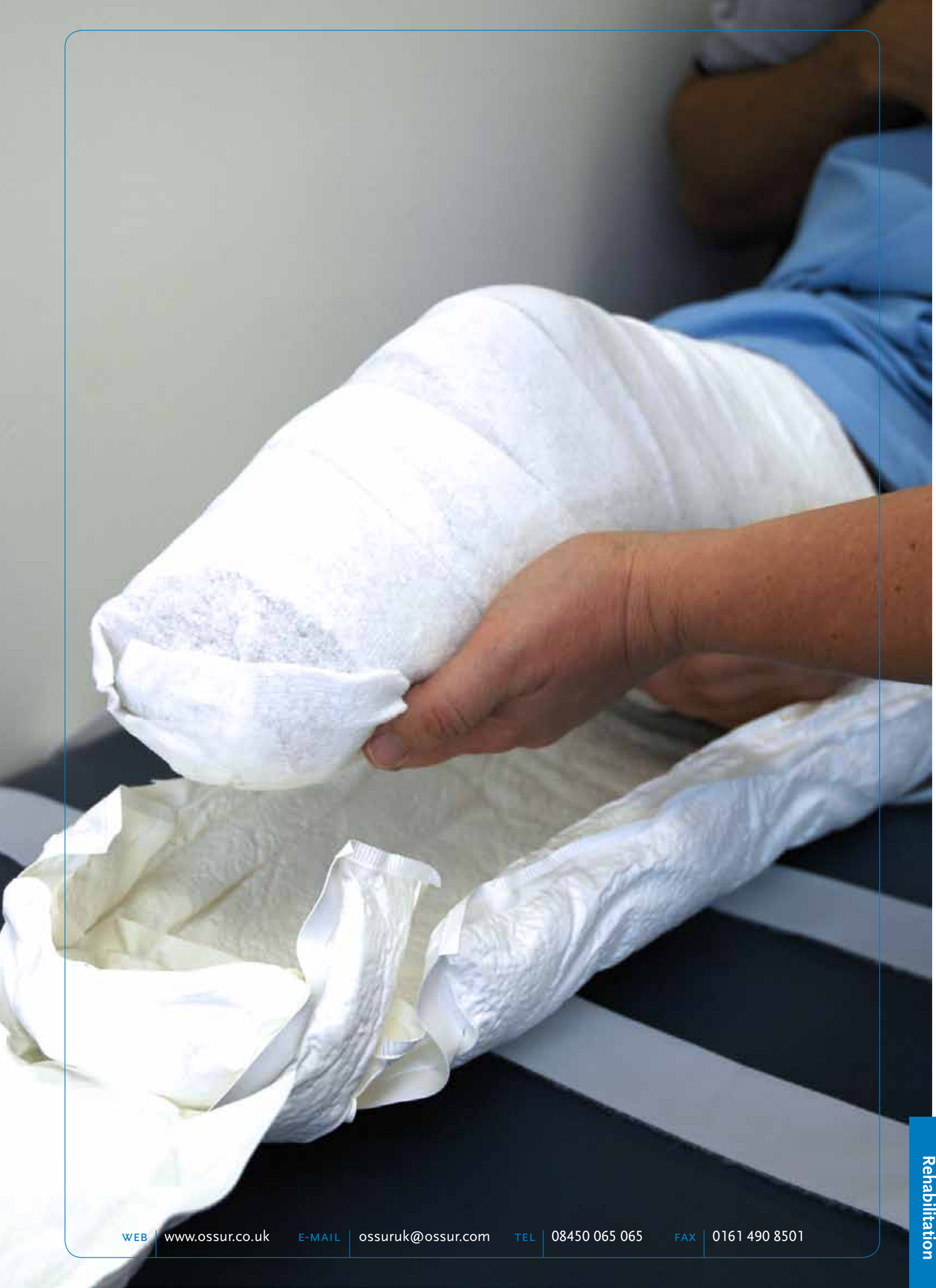

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Rehabilitation

Introduction

Good prosthetic outcomes depend on integrated rehabilitation that starts before the first prosthesis is used. Rehabilitation tools like the Össur Rigid Dressing (ÖRD) and Femurett ensure that when prosthetic rehabilitation starts, the user is best prepared in terms of their residual limb and general health to ensure they get the best from their prosthesis.

The ÖRD immobilises, protects and controls post-operative oedema in the transtibial residual limb. Used as part of a controlled rehabilitation programme including compression treatment, the transition to prosthesis use can be seamless and effective.

The Post-Op liner can be used in conjunction with the ÖRD to promote early mobilisation of the patient and a speedy progression into a prosthesis. Using compression therapy, the Post-Op liner moulds the residual limb into the best possible shape for prosthetic socket fitting.

The Femurett is an early walking device for transfemoral amputees, used to assist therapists to asses and prepare potential prosthesis users for prosthetic rehabilitation. The adjustable pylons and sockets ensure that the therapy department use the Femurett for the majority of their clients.

Contents

Össur Rigid Dressing **201**
Iceross Post-Op Liner **202**
Femurett **203**

Össur Rigid Dressing (ÖRD)

Introduction

The Össur Rigid Dressing (ÖRD) immobilises, protects and controls post-operative oedema in the transtibial residual limb immediately following transtibial amputation surgery. Immobilisation and oedema control are achieved by providing a firm dressing formed to match the volume and shape of the residual limb. The immobilisation will assist in prevention of contractures by restricting knee flexion. Effectively constraining and matching the volume of the residual limb will prevent an increase in oedema following surgery. Containing the residual limb provides protection from discomfort, caused by bed trauma or possible falls during early rehabilitation.

The ÖRD is made out of soft and pliable material and thus conforms to the shape of the residual limb. The dressing is made rigid by creating a vacuum in the internal chambers of the product.

The ÖRD allows inspection of the residual limb during early rehabilitation.

Easy to adjust for volume matching to the residual limb during post-operative use. After 5 - 10 days we recommend compression treatment using the Iceross® post-operative liner.

The lightweight ÖRD facilitates early mobilisation.

Kits

Part#	Description
K-239100	ÖRD Small
K-239101	ÖRD Large

Size Selection

Two measurements are required:

- Circumference 4cm from distal end of residual limb
- Circumference 50cm from distal end of residual limb

Size	Circumference at 4cm	Circumference at 50cm
Small	Up to 42cm	Up to 58cm
Large	42cm - 65cm	58cm - 70cm

Note: All circumference measurements are taken over dressings and padded material.

Components

Part#	Description
K-239105	Vacuum Pump for Rigid Dressing

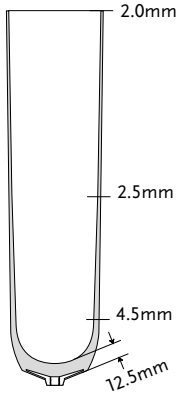
Iceross® Post-Op Liner NEW

Introduction

Iceross Post-Op liner is used for compression therapy. Best results are obtained with an Iceross Post-Op liner if a rigid dressing (ÖRD) has been applied to the residual limb immediately following amputation surgery and used for 5–7 days.

Early treatment with Iceross Post-Op liner has been shown to facilitate early mobilisation and speed up the maturation process of the residual limb. This makes it possible to provide the amputee with a prosthesis at an earlier stage leading to less dependence on medical staff.

Compression therapy with the Iceross Post-Op liner gives the residual limb an optimal shape for prosthetic socket fitting, thereby reducing the risk of prosthetic complications.



The main objectives of Iceross Post-Op are to:
- Diminish oedema
- Shape the residual limb
- Contribute to pain relief
- Accelerate the rehabilitation process

USER INFORMATION	
Amputation Level	Transtibial
User	New amputee

LINER INFORMATION	
Size	18, 20, 22, 23.5, 25, 26.5, 28, 30, 32, 34, 36, 38, 40, 42, 45
For sizing and selection advice please refer to pages 24 - 28.	
Profile	2mm
Matrix	10cm
Suspension	

Locking

Features

Matrix

Ordering Information

ICEROSS POST-OP

Part#	Profile	Suspension method	Matrix
I-PO20XX	2mm	Locking	10cm

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Femurett

Introduction

Femurett is a training and assessment device. Rehabilitation can proceed more smoothly when patient assessment and training is started and carried out using this prosthesis.

With simple adjustments, Femurett can be set to meet the exact dimensional requirements of the patient.

- Markings on the adjustable section simplify accurate setting
- Adjustable to varus and valgus alignment

Femurett, complete kit for transfemoral amputees consists of:

- Single articulated knee joint with extension spring
- Foot section (left and right with shin)
- 6 sockets, one of each size, left and right
- Weight limit 105kg

Components

Part#	Description
6674007	Femurett Locking Knee
6674021	Femurett Shin (pair)

SOCKET

Size	Left	Right	Thigh circumference (cm)
Small	6674306	6674313	38 - 46
Medium	6674320	6674337	44 - 54
Large	6674344	6674351	52 - 60

Includes shoulder strap, frame and connecting tube

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General Information

Torque Values For Össur Products

	Torque	Loctite	Tool Required
ICEROSS®			
Iceross Ratchet/Smooth/Clutch Pin	4Nm	410/411	7mm Spanner
M10-M6 Adapter for use with Standard Liners	6Nm	425/412	10mm Wrench
ICELOCK®			
100 Series			
Mount Screws, pyramid	10Nm	425	4mm Hex
Mount Screws, 4-hole	8Nm	242	4mm Hex
200 Series			
Mount Screws (214 only)	12Nm	410/411	4mm Hex
Clutch Release Mechanism	15Nm	None	17mm Socket
600 Series			
Funnel	8Nm	None	Tool Provided in Kit
700 Series			
Funnel	8Nm	None	Tool Provided in Kit
ADAPTERS			
Angular set screws (pyramids, al & ti)	15Nm	242	4mm Hex
Mount screws (4-hole, al & ti)	10Nm	242	4mm Hex
Pinch bolts (tube clamps, al & ti)	10Nm x 2	242	4mm Hex
TOTAL KNEE®			
TK 2100			
Pinch Bolt - 30mm Tube Adapter	15Nm	No	5mm
TK 2000			
Pinch Bolt - 30mm Tube Clamp	15Nm	No	5mm
TK 1900			
Pinch Bolt - 30mm Tube Clamp	15Nm	No	5mm
Polymer Friction Set Screw	2Nm	No	2.5mm
TK 1100			
Pinch Bolt - 22mm Tube Clamp	8Nm	No	4mm
BALANCE KNEE®			
Balance Knee			
Pinch Bolt - 30mm Tube Adapter	15Nm	No	5mm
MAUCH®			
Mauch Knee			
Knee Ball Attachment Screw	1Nm	No	2mm
Mauch Knee Plus			
Knee Ball Attachment Screw	1Nm	No	2mm
4-Hole Distal Attachment Bolts (SHCS)	13Nm	243	5mm
4-Hole Distal Attachment Bolts (FHCS)	13Nm	243	4mm
Mauch (Common Components)			
Set Screw (upper pivot pin to piston rod)	3Nm	243	2.5mm
Distal Cylinder Studs	10Nm	243	6mm
Mauch XG			
Knee Cap Attachment Screw	1Nm	No	2mm
Flexion Stop Attachment Screws	3Nm	243	2.5mm
Mauch Gaitmaster Systems			
Anterior Knee Ball Attachment Screw			
(Inner Split Shaft Attachment Screw)	0.7Nm	243	2.5mm
Medial/Lateral Knee Ball Attachment Screws (Split Shaft)	N/A	243	2.5mm
Medial/Lateral Knee Ball Attachment Screws (Solid Shaft)	N/A	243	1.5mm
Distal Knee Ball Attachment Screws	N/A	243	2mm
Knee Bracket Set Screws	1Nm	243	2mm
Flexion Stop Attachment Screws	1Nm	243	2mm
4-Hole Distal Attachment Bolts (SHCS)	13Nm	243	5mm
4-Hole Distal Attachment Bolts (FHCS)	13Nm	243	4mm
Distal Bearing Assembly Attachment Screws	3Nm	243	2.5mm
Solid Shaft End Screw	0.7Nm	243	19mm

General Information

Torque Values For Össur Products

		Torque	Loctite	Tool Required
TOTAL SHOCKS™				
Total Shock 4400				
Pinch bolts		8Nm	No	5mm ⬢
Total Shock 4410				
Set screws		11Nm	410	6mm ⬢
FLEX-FOOT®				
Flex-Foot Assure				
Fibreglass tube kit attachment bolts		22Nm	410	5/16" ○
Male Pyramid adapter		22Nm	410	13mm ○
Vari-Flex / Talux				
Tube kit attachment bolts	Cat. 1-6	22Nm	410	1/2" ○
	Cat. 7-9	34Nm	410	9/16" ○
LP Vari-Flex				
Lamination Adapter Bolts	sizes 22-24	34Nm	410	5mm ⬢
	sizes 25-30	34Nm	410	6mm ⬢
Alignment fitting tool	Cat. 1-6	11Nm	410	3/8" ○
	Cat. 7-9	22Nm	410	1/2" ○
Re-Flex Rotate				
Clamp		3Nm	243	5mm Hex ⬢
Re-Flex Shock				
Clamp		3Nm	243	5mm Hex ⬢
Ceterus				
Fabric Clamp		9Nm	410	3/16" ⬢
Re-Flex VSP				
Fabric Clamp		5.5Nm	410	3/16" ⬢
Modular III / Cheetah / Flex-Sprint				
T-Connector Bolts	Cat. 1-6	33Nm	410	3/16" ⬢
	Cat. 7-9	45Nm	410	5/16" ⬢
Elation				
Attachment bolt	sizes 22-25	15Nm	242	5mm Hex ⬢
	sizes 26-28	21Nm	242	6mm Hex ⬢
Tube clamp bolt		11Nm	N/A	5mm Hex ⬢
Cheetah				
Lamination Connectors	Cat. 4-6	22Nm	410	1/2" ○
	Cat. 7-9	34Nm	410	9/16" ○
Flex-Run™ with Nike Sole				
Centre Bolt	Cat. 1-6	41Nm	410	17mm ○
	Cat. 7-9	43Nm	410	19mm ○
Carbon-X Active Heels				
all products	Cat. 1-6	14Nm	410	3/8" ○
	Cat. 7-9	24Nm	410	7/16" ○
Bolt-on Male Pyramid				
Modular III, Vari-Flex, Talux	Cat. 1-6	22Nm	410	13mm ○
Modular III, Vari-Flex, Talux	Cat. 7-9	34Nm	410	17mm ○
Junior Adapter				
Alignment set screws		4Nm	243	3mm Hex ⬢
4-Hole screws		6Nm	243	3mm Hex ⬢
Pinch bolt		6Nm	243	3mm Hex ⬢

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General Information

Terms Of Sale And Policies

HOW TO ORDER
Össur part numbers and item descriptions must be included on all orders.

PRICES AND PAYMENT TERMS
All prices are subject to change without prior notification. All prices exclude V.A.T.

RETURNS, ADJUSTMENTS AND CREDITS
Please inspect all orders immediately upon receipt. In the event of items being ordered or shipped in error, please contact our Customer Care Department for a Return Authorisation number (RA#). Össur must be contacted within five business days of the receipt of goods. Prior approval and an RA# must be obtained for credit. The RA# must be printed on the outside of the package and a copy of the original invoice or packing slip must be included. All returns are subject to inspection.

TRIAL PERIOD

Össur provides a trial period with certain products. If the amputee is dissatisfied with any such Össur product for any reason, the prosthetist can return the product to Össur for a full refund. If a product needs to be returned within the Trial Period, the following must occur:
Prior approval and a Return Authorisation number (RA#) must be obtained from the Össur Customer Care Department for goods to be returned for credit. No items will be accepted for credit after the Trial Period has ended. (Trial Period begins the date the order is invoiced.)

- Any items that are received by Össur after the Trial Period has ended will be sent back to the customer at their cost and no credit will be issued.
- RA#s are valid for thirty days, starting the day the request was made. After thirty days, the RA# is invalid.
- Any items that are returned in addition to those listed and/or any items that are returned which differ from those listed on the RA# will be treated as an unauthorised return.
- The customer is responsible for the returned package prior to receipt at Össur.
- Returns must be accompanied by a copy of the original invoice or packing slip.

For Trial Periods, please refer to Warranty section in the Product Catalogue, page 208.

General Information

Warranty

All Össur products are guaranteed to be free of defects in materials and workmanship upon purchase. Any product found to be defective under normal and correct use will be replaced at no charge with the same item. If an item needs to be replaced under warranty, the customer should order this in the normal way. The replacement item will ship as soon as possible and the full retail cost will be invoiced. Upon receipt of the warranty item, a credit will be given under the terms that apply.

KNEES	LIMITED WARRANTY		
RHEO KNEE®	36 Months	or	60 Months
PROPRIO FOOT™	24 Months		
POWER KNEE™	36 Months		

LINERS AND SLEEVES

Iceross® liners and Iceflex® sleeves can be returned for full credit within 30 days only if the sealed bag has not been opened. Any items that have been removed from this bag will not be accepted for credit and will be returned to the customer at the customer's expense.

LINERS	LIMITED WARRANTY
Iceross Sport	9 Months
Iceross Synergy	9 Months
Iceross Synergy Wave	9 Months
Iceross Dermo	6 Months
Iceross Dermo Wave	6 Months
Iceross Dermo Seal-In	6 Months
Iceross Comfort	6 Months
Iceross Comfort Wave	6 Months
Iceross Original	6 Months
Iceross Seal-In X5 (TT)	6 Months
Iceross Seal-In X5 Wave (TT)	6 Months
Iceross Dermo Cushion	6 Months
Iceross Dermo Cushion Wave	6 Months
Iceross Activa	9 Months
Iceross Synergy Cushion	9 Months
Iceross Synergy Cushion Wave	9 Months
Iceross Comfort Cushion	6 Months

LINERS	LIMITED WARRANTY
Iceross Seal-In X5 (TF)	6 Months
Iceross Seal-In Transfemoral	6 Months
Iceross Transfemoral	6 Months
Iceross Upper-X	6 Months
Iceross Junior	6 Months
Distal Cup	12 Months
Iceross Sleeve	3 Months
Iceflex Endurance	3 Months
Iceflex Balance	1 Month

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General Information

Warranty

SOCKET SYSTEMS	LIMITED WARRANTY
Icecast Anatomy	12 Months

ICELOCK	LIMITED WARRANTY
Icelock 100 Series	12 Months
Icelock 200 Series	12 Months
Icelock 300 Series	12 Months
Icelock 500 Series	6 Months
Icelock 600 Series	12 Months
Icelock 700 Series	12 Months

STANDARD ADAPTERS	LIMITED WARRANTY
Össur Standard Adapters	24 Months
Össur Junior Adapters	24 Months
Fixed Offset Adapters	12 Months
Total Shock 4400 and 4410	12 Months

MAUCH KNEE	LIMITED WARRANTY
Mauch Knee	24 Months
Mauch Knee Plus	24 Months

TOTAL KNEE	LIMITED WARRANTY
Total Knee 1900	24 Months
Total Knee 2100	24 Months
Total Knee 2000	24 Months
Total Knee Junior	24 Months

BALANCE KNEE	LIMITED WARRANTY
Balance Knee	24 Months

FEET

Össur provides each prosthetic foot with a 60-Day Trial Period. If the amputee is dissatisfied with the prosthetic foot for any reason, the prosthetist can return it to Össur for a full refund within 60 days from the invoice date. For a detailed description of how to return products see Terms of Sale and Policies.

FEET	LIMITED WARRANTY
Flex-Foot Balance	24 Months
Flex-Foot Assure	36 Months
Flex-Foot Axia	36 Months
Talux ST	36 Months
Vari-Flex with EVO	36 Months
LP Vari-Flex with EVO	36 Months
Re-Flex Rotate	36 Months
LP Rotate	36 Months
Re-Flex Shock	36 Months

FEET	LIMITED WARRANTY
Modular III	36 Months
Elation	12 Months
Flex-Symes	36 Months
Chopart	24 Months
Flex-Run with Nike Sole	12 Months
Flex-Sprint*	12 Months
Cheetah*	12 Months
Flex-Foot Junior	18 Months
Foot Cover	2 Months

* Excluded from the trial period guarantee, for information on trialling these products please contact your Sales Representative

General Information

Order Form - Custom Made Iceross

Date _____

Customer Data

Customer Name _____

Customer Number _____ Address _____

Contact Person _____ Postal code _____ City _____

User Data

Name _____

Circumference 4cm from distal end of residual limb (cm) _____

Product Information

Type of Liner/Silicone	Part#	Size	Profile	Umbrella	Matrix	Cover
o Seal-In X5 (TT) Special	I-290400	_____	o 3mm	o None	o Standard	o Standard o Synergy o Dermo o Original o Sport o Comfort
o Dermo (Wave) Special	I-290400	_____	o 3mm	o Standard o None	o None o 10cm o Other _____	o Standard o Synergy o Sport o Comfort
o Dermo Seal-In Special	I-290450	_____	o 3mm	o None	o None o 10cm o Other _____	o Standard o Synergy o Sport o Comfort
o Synergy (Wave) Special	I-290750	_____	o 3mm	o Standard o None	o None o 10cm o Other _____	o Standard o Dermo o Sport o Comfort
o Sport Special	I-290700	_____	o 3mm	o Standard o None	o None o 10cm o Other _____	o Standard o Synergy o Dermo o Comfort
o Original Special	I-290250	_____	o 2mm	o Standard o None	o None o 10cm o Other _____	o Standard o Synergy o Dermo o Comfort
o Comfort Special	I-290600	_____	o 3mm o 6mm	o Standard o None	o None o 10cm o Other _____	o Standard o Synergy o Sport o Dermo
o Transfemoral Special	I-290800	_____	o 2mm	o Standard o None	o None o 10cm o Other _____	o Standard o Original o Comfort
o Transfemoral Seal-In Special	I-290850	_____	o 2mm	o Standard o None	o None o 10cm o Other _____	o Standard o Original o Comfort o None
o Seal-In X5 (TF) Special	I-290850	_____	o 2mm	o None	o Standard	o Standard o Original o Comfort

Time of Delivery

Please contact your Customer Care representative for a confirmed time of delivery for your order.

WEB www.ossur.co.uk E-MAIL ossuruk@ossur.com TEL 08450 065 065 FAX 0161 490 8501

General Information

Returns / Complaints Form

Please copy and complete this form and include it with any return. Please also apply to Customer Care for a Returns Authorisation number (RA#), as we will not be able to process credit claims otherwise. Please also put RA# on the outside of the box, since it will help us to process your return faster

Send returns to:

Össur UK Ltd.
Building 3000,
Manchester Business Park,
Aviator Way,
Manchester
M22 5TG

Thank you for your co-operation,
Össur UK

Date .....

RA number .....

Customer data

Customer .....

Customer code ..... Street .....

Technician/Prosthetist Name .....

Postal code ..... City .....

Product code

Product code ..... Description .....

Reason for reclaim

☐ on trial ☐ ordered by mistake ☐ sent by mistake ☐ defect or failure during guarantee period

Patient information

This information is needed for all credit claims for defective goods.

Without it we will not be able to process any guarantee claim.

Name or patient code .....

Weight..... Age ..... Activity level .....

Description of defect or failure .....

.....

.....

Signature .....

WEB | www.ossur.co.uk E-MAIL | ossuruk@ossur.com TEL | 08450 065 065 FAX | 0161 490 8501